

Best Available Copy

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Continued

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| CHRNA5 | M83712 | 118505 | GEN-3YQ | Nicotinic, Cholinergic receptor alpha 5 | 1340 | 1192G>A | D398N |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 28 | 28G>C | V10L |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 98 | 98T>A | F33Y |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 102 | 102A>C | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 144 | 144A>C | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 240 | 240T>G | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 257 | 257G>A | G86E |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 292 | 292C>G | H98D |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 362 | 362G>T | R121M |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 391 | 391T>G | W131G |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 418 | 418T>G | Y140D |

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| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 453 | 453A>C | K151N |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 527 | 527T>A | V176E |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 539 | 539T>G | L180W |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 622 | 622G>C | A208P |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 630 | 630A>G | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 666 | 666A>G | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 762 | 762C>T | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 789 | 789A>G | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 806 | 806C>T | A269V |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 807 | 807G>A | S |

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| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 808 | 808G>T | A270S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 819 | 819G>A | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 829 | 829C>G | Q277E |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 868 | 868T>C | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 870 | 870G>C | L290F |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 900 | 900G>A | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 901 | 901T>G | S301A |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 916 | 916A>G | I306V |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 945 | 945G>A | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 952 | 952T>C | F318L |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete cds | 967 | 967A>G | T323A |

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| M84379 | M84379 | 142800 | GEN-SA | lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 987 | 987T>C | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 992 | 992T>G | M331R |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 1005 | 1005G>C | K335N |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 1013 | 1013A>G | D338G |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 1029 | 1029C>T | S |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 1033 | 1033T>A | S345T |
| M84379 | M84379 | 142800 | GEN-SA | Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds | 1072 | 1072G>A | V358M |
| M84526 | M84526 | 134350 | GEN-3ZL | Human adiponin/complement factor D mRNA, complete cds | 46 | (-9)C>T | 5 |
| M84526 | M84526 | 134350 | GEN-3ZL | Human adiponin/complement factor D mRNA, complete cds | 399 | 345C>A | S |
| M84526 | M84526 | 134350 | GEN-3ZL | Human adiponin/complement factor D mRNA, complete cds | 408 | 354A>G | S |
| M84526 | M84526 | 134350 | GEN-3ZL | Human adiponin/complement factor D mRNA, complete cds | 859 | 805C>T | 3 |

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| M84526 | M84526 | 134350 | 3ZL GEN-3ZL | adipsin/complement factor D mRNA, complete cds | Human | 891 | 837G>C | 3 |
| M84747 | M84747 | 300007 | GEN-45 | adipsin/complement factor D mRNA, complete cds | | 1273 | 1094G>A | R365H |
| TGFBR2 | M85079 | 190182 | GEN-3ZS | Human TGF-beta type II receptor mRNA, complete cds | | 2045 | 1710A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 1653 | 1569T>A | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 2599 | 2515C>G | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 2619 | 2535A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 2656 | 2572A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 2745 | 2661C>T | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | | 2761 | 2677A>C | 3 |
| M86511 | M86511 | 158120 | GEN-419 | Human monocyte antigen CD14 (CD14) mRNA, complete cds | | 1142 | 1067C>A | T358N |
| M86511 | M86511 | 158120 | GEN-419 | Human monocyte antigen CD14 (CD14) mRNA, complete cds | | 1176 | 1101G>C | S |
| M87503 | M87503 | None | GEN-443 | Human IFN-responsive transcription factor subunit mRNA, complete cds | | 1424 | 1390T>A | 3 |
| M87503 | M87503 | None | GEN-443 | Human IFN-responsive transcription factor subunit mRNA, complete cds | | 1524 | 1490A>C | 3 |
| M89473 | M89473 | None | GEN-4FU | NEUROMEDIN K RECEPTOR | | 1614 | 1471T>C | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | | 2159 | 2062G>C | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | | 2186 | 2089-2094delATATTA | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | | 2186 | 2089-2094delATAT | 3 |

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| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | 2230 | 2133A>G | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | 2339 | 2242T>C | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | 2409 | 2312G>A | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | 2726 | 2629C>T | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 COX2 | 2983 | 2886C>T | 3 |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c (alt. splice) L-Type | 3846 | 3846C>T | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c (alt. splice) L-Type | 5505 | 5505G>A | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c (alt. splice) L-Type | 6582 | 6582A>G | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c (alt. splice) L-Type | 6613 | 6613G>C | G2205R |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c (alt. splice) L-Type | 6614 | 6614G>C | G2205A |
| M92303 | M92303 | 114207 | GEN-1C | L-Type voltage sensitive channel beta-1 | 860 | 711G>A | S |
| IL8RB | M94582 | 146928 | GEN-49G | Interleukin 8 receptor | 838 | 786T>C | S |
| IL8RB | M94582 | 146928 | GEN-49G | Interleukin 8 receptor | 1262 | 1210C>T | 3 |
| IL8RB | M94582 | 146928 | GEN-49G | Interleukin 8 receptor | 1494 | 1442A>G | 3 |
| M95678 | M95678 | 604114 | GEN-4A6 | Homo sapiens phospholipase C-beta-2 mRNA, complete cds | 1346 | 1182T>C | S |
| M95678 | M95678 | 604114 | GEN-4A6 | Homo sapiens phospholipase C-beta-2 mRNA, complete cds | 3436 | 3272A>G | E1091G |
| M95678 | M95678 | 604114 | GEN-4A6 | Homo sapiens phospholipase C-beta-2 mRNA, complete cds | 4137 | 3973C>T | 3 |
| M95708 | M95708 | 107271 | GEN-SF | Homo sapiens Ly-6-like protein (CD59) mRNA, complete cds | 497 | 435C>T | 3 |
| M96652 | M96652 | 147851 | GEN-65 | Interleukin 5 receptor alpha | 883 | 634T>G | S212A |
| M96954 | M96954 | 603413 | GEN-4B5 | Homo sapiens nucleolysin TIAR mRNA, complete cds | 957 | 912A>C | Q304H |
| ID2 | M97796 | 600386 | GEN- | Human helix-loop-helix | 402 | 294C>G | S |

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| M98045 | M98045 | 136510 | 4C0 | protein (Id-2) mRNA, complete cds | 802 | 732C>T | S |
| | GEN-4C3 | | | Homo sapiens folypolyglutamate synthetase mRNA, complete cds | 1747 | 1677G>T | 3 |
| M98045 | M98045 | 136510 | GEN-4C3 | Homo sapiens folypolyglutamate synthetase mRNA, complete cds | 1900 | 1830T>C | 3 |
| M98045 | M98045 | 136510 | GEN-4C3 | Homo sapiens folypolyglutamate synthetase mRNA, complete cds | 1900 | 1830T>C | 3 |
| M98045 | M98045 | 136510 | GEN-4C3 | Homo sapiens folypolyglutamate synthetase mRNA, complete cds | 1912 | 1842G>A | 3 |
| M98045 | M98045 | 136510 | GEN-4C3 | Homo sapiens folypolyglutamate synthetase mRNA, complete cds | 1995 | 1925C>G | 3 |
| S46622 | S46622 | 114107 | GEN-1F | Calcineurin A-gamma | 1893 | 1607C>G | 3 |
| S46622 | S46622 | 114107 | GEN-1F | Calcineurin A-gamma | 1941 | 1655A>G | 3 |
| S57235 | S57235 | 153634 | GEN-37N | CD68=110kda transmembrane glycoprotein [human, promonocyte cell line U937, mRNA; 1722 nt] | 775 | 760A>C | K254Q |
| U00672 | U00672 | 146933 | GEN-4A | Interleukin 10 receptor | 3377 | 3316A>C | 3 |
| U00672 | U00672 | 146933 | GEN-4A | Interleukin 10 receptor | 3524 | 3463A>G | 3 |
| U02882 | U02882 | 600129 | GEN-XU | Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds | 1798 | 1690T>C | C564R |
| U02882 | U02882 | 600129 | GEN-XU | Human rolipram-sensitive 3,5-cyclic AMP | 1881 | 1773G>A | S |

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| U02882 | U02882 | 600129 | GEN-XU | phosphodiesterase mRNA, complete cds | 4691 | 4583T>G | 3 |
| | | | | Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds | | | |
| U03858 | U03858 | 600007 | GEN-MDM | Fms-related tyrosine kinase 3 ligand | 683 | 600C>T | S |
| U03858 | U03858 | 600007 | GEN-MDM | Fms-related tyrosine kinase 3 ligand | 1016 | 933T>C | 3 |
| U03882 | U03882 | 601267 | GEN-12B | Human monocyte chemoattractant protein 1 receptor (MCP-1RA) alternatively spliced mRNA, complete cds | 1436 | 1397G>A | 3 |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 38 | 15C>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 282 | 259A>T | S87C |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 350 | 327C>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 365 | 342T>C | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 464 | 441G>A | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 474 | 451A>G | M151V |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 532 | 509A>G | H170R |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 538 | 515T>A | L172Q |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 689 | 666T>C | S |

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| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 806 | 783G>A | S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 872 | 849G>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 952 | 929T>G | I310S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 1020 | 997G>A | 3 |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 1035 | 1012G>A | 3 |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, | 1112 | 1089C>T | 3 |
| U05875 | U05875 | 147569 | GEN-18J | complete cds Human clone pSK1 Interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds | 2047 | 1399C>G | 3 |
| U05875 | U05875 | 147569 | GEN-18J | Human clone pSK1 Interferon gamma receptor accessory factor-1 (AF-1) mRNA, complete cds | 2087 | 1439T>C | 3 |
| XDH | U06117 | 278300 | GEN-194 | complete cds Human xanthine dehydrogenase (XDH) mRNA, complete cds | 3951 | 3888C>G | S |
| U07225 | U07225 | 600041 | GEN-1DM | P2Y2 purinoceptor | 2008 | 1763G>A | 3 |
| U07989 | U07989 | None | GEN-Q2 | Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds | 39 | 39T>A | S |
| U07989 | U07989 | None | GEN-Q2 | Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds | 307 | 307G>C | V103L |
| U07989 | U07989 | None | GEN-Q2 | Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds | 312 | 312A>G | S |

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| U07989 | U07989 | None | GEN-Q2 | Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds | 568 | 568G>C | V190L |
| U07989 | U07989 | None | GEN-Q2 | Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds | 610 | 610G>A | V204I |
| U08015 | U08015 | 600489 | GEN-1FD | Human NF-ATc mRNA, complete cds | 530 | 291C>T | S |
| U08015 | U08015 | 600489 | GEN-1FD | Human NF-ATc mRNA, complete cds | 1094 | 855G>A | S |
| U08015 | U08015 | 600489 | GEN-1FD | Human NF-ATc mRNA, complete cds | 2222 | 1983G>A | S |
| U08015 | U08015 | 600489 | GEN-1FD | Human NF-ATc mRNA, complete cds | 2225 | 1986A>G | S |
| U08015 | U08015 | 600489 | GEN-1FD | Human NF-ATc mRNA, complete cds | 2295 | 2056A>C | S686R |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 | 333 | 239G>A | R80H |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 | 460 | 366G>A | S |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 | 1858 | 1764G>A | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 838 | 396T>C | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 1369 | 927A>G | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 1567 | 1125C>G | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 2080 | 1638G>T | 3 |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 2199 | 1757G>A | 3 |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 2349 | 1907G>T | 3 |
| U09607 | U09607 | 600173 | GEN- | Janus kinase 3 (a protein | 1925 | 1830G>A | M610I |

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| U09759 | U09759 | 602896 | MKU GEN- 1HA | tyrosine kinase, leukocyte Human protein kinase (JNK2) mRNA, complete cgs | 303 | 152A>G | N51S |
| U09759 | U09759 | 602896 | GEN- 1HA | Human protein kinase (JNK2) mRNA, complete cgs | 1079 | 928A>G | I310V |
| U09759 | U09759 | 602896 | GEN- 1HA | Human protein kinase (JNK2) mRNA, complete cgs | 1280 | 1129C>T | P377S |
| U09759 | U09759 | 602896 | GEN- 1HA | Human protein kinase (JNK2) mRNA, complete cgs | 1559 | 1408C>T | 3 |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 120 | 120T>C | S |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 473 | 473G>A | R158Q |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 550 | 550C>T | F |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 668 | 668C>T | A223V |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 1059 | 1059T>C | S |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 1289 | 1289C>A | E430A |
| U09806 | U09806 | None | GEN- 4FZ | Human methylenetetrahydrofolate reductase mRNA, partial cgs | 1308 | 1308T>C | 3 |

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| OPRD1 | U10504 | 165195 | GEN-4F5 | Human delta opiate receptor mRNA, complete cds | 921 | 921T>C | S |
| U11276 | U11276 | 602890 | GEN-1K3 | Human hNKR-P1a protein (NKR-P1A) mRNA, complete cds | 563 | 503T>C | I168T |
| TPMT | U12387 | 187680 | GEN-1LY | Human thiopurine methyltransferase (TPMT) mRNA, complete cds | 536 | 460G>A | A154T |
| TPMT | U12387 | 187680 | GEN-1LY | Human thiopurine methyltransferase (TPMT) mRNA, complete cds | 795 | 719A>G | Y240C |
| TPMT | U12387 | 187680 | GEN-1LY | Human thiopurine methyltransferase (TPMT) mRNA, complete cds | 1085 | 1009T>C | 3 |
| TPMT | U12387 | 187680 | GEN-1LY | Human thiopurine methyltransferase (TPMT) mRNA, complete cds | 1336 | 1260C>T | 3 |
| TPMT | U12387 | 187680 | GEN-1LY | Human thiopurine methyltransferase (TPMT) mRNA, complete cds | 1373 | 1297G>A | 3 |
| U12507 | U12507 | 600681 | GEN-1MD | Cardiac inward rectifier potassium channel (HH-IRK1) | 338 | 13C>A | S |
| U12507 | U12507 | 600681 | GEN-1MD | Cardiac inward rectifier potassium channel (HH-IRK1) | 1597 | 1272G>A | S |
| U12597 | U12597 | 601895 | GEN-4E | tumor necrosis factor type 2 receptor associated protein (TRAP3) | 2182 | 2128G>T | 3 |
| U13737 | U13737 | 600636 | GEN-1PC | Human cysteine protease CPP32 isoform alpha mRNA, complete cds | 2356 | 2132A>C | 3 |
| U13737 | U13737 | 600636 | GEN-1PC | Human cysteine protease CPP32 isoform alpha mRNA, complete cds | 2535 | 2311C>T | 3 |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2128 | 2104A>C | M702L |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2516 | 2492T>G | L831W |

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| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2720 | 2696C>G | A899G |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2792 | 2768C>T | A923V |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2828 | 2804C>G | A935G |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2903 | 2879C>G | A960G |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 2967 | 2943G>A | S |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 3333 | 3309G>A | 3 |
| U14510 | U14510 | 602698 | GEN-1RD | Human transcription factor NFATx mRNA, complete cds | 3577 | 3553G>A | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 638 | 579A>G | S |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1048 | 989G>A | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1171 | 1112T>C | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1263 | 1204G>C | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1301 | 1242C>T | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1351 | 1292T>C | 3 |
| U14650 | U14650 | 602243 | GEN-1RL | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 1389 | 1330A>T | 3 |

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|--------|--------|--------|---------|--|------|----------|-------|
| U14650 | U14650 | 602243 | GEN-1RL | tetraspan antigen 3 mRNA, complete cds | 1404 | 1345G>A | 3 |
| U15637 | U15637 | 601896 | GEN-1U8 | Human platelet-endothelial tetraspan antigen 3 mRNA, complete cds | 596 | 386T>C | M129T |
| U15637 | U15637 | 601896 | GEN-1U8 | Human CD40 binding protein (CD40bp) mRNA, complete cds | 1317 | 1107C>T | S |
| U16031 | U16031 | None | GEN-HX | Human CD40 binding protein (CD40bp) mRNA, complete cds | 2964 | 2799G>A | 3 |
| SDF1 | U16752 | 600835 | GEN-1YK | Transcription Factor IL-4 Stat | 47 | (-34)C>T | 5 |
| SDF1 | U16752 | 600835 | GEN-1YK | Human cytokine SDF-1-beta mRNA, complete cds | 2927 | 2847G>C | 3 |
| SDF1 | U16752 | 600835 | GEN-1YK | Human cytokine SDF-1-beta mRNA, complete cds | 3159 | 3079T>C | 3 |
| SDF1 | U16752 | 600835 | GEN-1YK | Human cytokine SDF-1-beta mRNA, complete cds | 3294 | 3214T>G | 3 |
| NOS1 | U17327 | 163731 | GEN-209 | Human cytokine SDF-1-beta mRNA, complete cds | 3391 | 2706C>T | S |
| PDE4A | U18087 | 600126 | GEN-214 | Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds | 642 | 633T>G | S |
| PDE4A | U18087 | 600126 | GEN-214 | Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA, complete cds | 804 | 795T>C | S |
| PDE4A | U18087 | 600126 | GEN-214 | Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA, complete cds | 1616 | 1607A>C | E536A |
| U18242 | U18242 | 601118 | GEN-1N | Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA, complete cds | 1117 | 1081T>G | 3 |
| U19487 | U19487 | 176804 | GEN-4I | Cyclophilin Ligand (calcium modulating) PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE | 85 | (-72)A>G | 5 |

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| U19487 | U19487 | 176804 | GEN-4I | PROSTAGLANDIN E2 RECEPTOR EP2 | 231 | 75A>T | S |
| U19720 | U19720 | 600424 | GEN-1I | Subtype Folate Transporter (SLC19A1) | 53 | (-43)T>C | 5 |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 175 | 80G>A | R27H |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 175 | 80G>A | R27H |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 341 | 246C>G | S |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 791 | 696C>T | S |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 1067 | 972G>A | S |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2100 | 2005*2006ins G | F |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2582 | 2487T>G | 3 |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2582 | 2487T>G | 3 |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2617 | 2522C>T | 3 |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2617 | 2522C>T | 3 |
| U19720 | U19720 | 600424 | GEN-1I | Folate Transporter (SLC19A1) | 2652 | 2557T>C | 3 |
| U19775 | U19775 | 600289 | GEN- 22C | Human MAP kinase Mxi2 (MXI2) mRNA, complete cds | 731 | 688G>A | D230N |
| U20157 | U20157 | 601690 | GEN-234 | Human platelet-activating factor acetylhydrolase mRNA, complete cds | 1297 | 1136T>C | V379A |
| U20350 | U20350 | 602237 | GEN-239 | Human G protein-coupled receptor V28 mRNA, complete cds | 1304 | 1217T>C | 3 |
| U20536 | U20536 | 601532 | GEN- 23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 982 | 904C>T | 3 |
| U20536 | U20536 | 601532 | GEN- 23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 1117 | 1039G>A | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| U20536 | U20536 | 601532 | GEN-23K | mRNA, complete cds Human cysteine protease Mch2 isoform alpha (Mch2) | 1322 | 1244T>C | 3 |
| U20536 | U20536 | 601532 | GEN-23K | mRNA, complete cds Human cysteine protease Mch2 isoform alpha (Mch2) | 1363 | 1285T>C | 3 |
| U21847 | U21847 | 601878 | GEN-252 | mRNA, complete cds Human TGF-beta inducible early protein (TIEG) | 986 | 900C>T | S |
| U21847 | U21847 | 601878 | GEN-252 | mRNA, complete cds Human TGF-beta inducible early protein (TIEG) | 1670 | 1584C>T | 3 |
| U21847 | U21847 | 601878 | GEN-252 | mRNA, complete cds Human TGF-beta inducible early protein (TIEG) | 2542 | 2456A>C | 3 |
| U23143 | U23143 | 138450 | GEN-MY | mRNA, complete cds Human mitochondrial serine hydroxymethyltransferase gene, nuclear encoded mitochondrion protein, complete cds | 506 | 506T>G | F169C |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 335 | 335C>T | 3 |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 386 | 386T>C | 3 |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 1069 | 1069C>T | 3 |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 476 | 442T>C | F148L |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 481 | 447A>G | S |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 542 | 508C>G | L170V |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 578 | 544C>T | 3 |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 614 | 580T>C | 3 |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 616 | 582G>A | 3 |
| CSNK1D | U29171 | 600864 | GEN- | mRNA, complete cds Human casein kinase I | 1612 | 1435C>A | 3 |

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|--------|--------|--------|---------------|--|------|---------|-------|
| U31628 | U31628 | 601070 | 2E2 GEN-4J | delta mRNA, complete cds | 1250 | 1168G>T | 3 |
| U32324 | U32324 | 600939 | GEN-4K | Interleukin 15 receptor alpha chain | 1256 | 1205C>A | P402Q |
| U32324 | U32324 | 600939 | GEN-4K | Interleukin 11 receptor alpha chain | 1513 | 1452C>T | 3 |
| U32989 | U32989 | 191070 | GEN- 2JH | Interleukin 11 receptor alpha chain | 991 | 927G>A | S |
| U33017 | U33017 | 603492 | GEN- 2JO | Human tryptophan oxygenase (TDO) mRNA, complete cds | 1489 | 1356A>T | 3 |
| U33017 | U33017 | 603492 | GEN- 2JO | Human signaling lymphocytic activation molecule (SLAM) mRNA, complete cds | 1661 | 1528C>T | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human signaling lymphocytic activation molecule (SLAM) mRNA, complete cds | 736 | 693G>A | S |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1285 | 1242T>C | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1294 | 1251T>C | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1580 | 1537A>T | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1621 | 1578G>T | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1715 | 1672G>A | 3 |
| U37448 | U37448 | 601761 | GEN- 2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1764 | 1721G>A | 3 |
| U37518 | U37518 | None | GEN- 2OG | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 912 | 825C>T | S |
| | | | | Human TNF-related apoptosis inducing ligand | | | |

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|--------|--------|--------|---------|--|------|---------|-------|
| U37518 | U37518 | None | GEN-2OG | TRAIL mRNA, complete cds | 1140 | 1053A>G | 3 |
| | | | | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | | | |
| U37518 | U37518 | None | GEN-2OG | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | 1289 | 1202C>A | 3 |
| | | | | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | | | |
| U37518 | U37518 | None | GEN-2OG | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | 1525 | 1438G>A | 3 |
| | | | | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | | | |
| U37518 | U37518 | None | GEN-2OG | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | 1588 | 1501G>A | 3 |
| | | | | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | | | |
| U37518 | U37518 | None | GEN-2OG | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | 1595 | 1508C>T | 3 |
| | | | | Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds | | | |
| TAC2 | U37529 | 162320 | GEN-2OH | Substance P beta-PPT-A | 644 | 499G>A | 3 |
| TAC2 | U37529 | 162320 | GEN-2OH | Substance P beta-PPT-A | 694 | 549T>C | 3 |
| TAC2 | U37529 | 162320 | GEN-2OH | Substance P beta-PPT-A | 799 | 654A>G | 3 |
| TAC2 | U37529 | 162320 | GEN-2OH | Substance P beta-PPT-A | 826 | 681C>T | 3 |
| U39656 | U39656 | 601254 | GEN-2Q8 | Human MAP kinase kinase 6 (MKK6) mRNA, complete cds | 431 | 91A>C | S |
| U39656 | U39656 | 601254 | GEN-2Q8 | Human MAP kinase kinase 6 (MKK6) mRNA, complete cds | 713 | 373G>A | V125M |
| U40038 | U40038 | 600998 | GEN-7O | Guanine nucleotide binding protein (G protein), q polypeptide | 825 | 783C>T | S |
| U40038 | U40038 | 600998 | GEN-7O | Guanine nucleotide binding protein (G protein), q | 878 | 836T>C | L279P |

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| U40038 | U40038 | 600998 | GEN-70 | Guanine nucleotide binding protein (G protein), q polypeptide | 1029 | 987G>A | S |
| U40038 | U40038 | 600998 | GEN-70 | Guanine nucleotide binding protein (G protein), q polypeptide | 1051 | 1009A>G | I337V |
| U40038 | U40038 | 600998 | GEN-70 | Guanine nucleotide binding protein (G protein), q polypeptide | 1068 | 1026T>A | S |
| U40038 | U40038 | 600998 | GEN-70 | Guanine nucleotide binding protein (G protein), q polypeptide | 1093 | 1051T>C | S |
| U40282 | U40282 | 602366 | GEN-2RJ | Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds | 453 | 297C>T | S |
| U40282 | U40282 | 602366 | GEN-2RJ | Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds | 975 | 819G>A | S |
| U40282 | U40282 | 602366 | GEN-2RJ | Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds | 1580 | 1424G>A | 3 |
| U40282 | U40282 | 602366 | GEN-2RJ | Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds | 1670 | 1514G>C | 3 |
| U40282 | U40282 | 602366 | GEN-2RJ | Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds | 1769 | 1613A>C | 3 |
| U40347 | U40347 | 600950 | GEN-2RK | Human serotonin N-acetyltransferase mRNA, complete cds | 382 | 148G>A | E50K |
| U40583 | U40583 | 118511 | GEN-40 | Nicotinic, Cholinergic receptor alpha 7 | 661 | 654T>C | S |
| U40583 | U40583 | 118511 | GEN-40 | Nicotinic, Cholinergic receptor alpha 7 | 697 | 690A>G | S |
| U40583 | U40583 | 118511 | GEN-40 | Nicotinic, Cholinergic receptor alpha 7 | 940 | 933G>A | S |
| U40583 | U40583 | 118511 | GEN-40 | Nicotinic, Cholinergic receptor alpha 7 | 1276 | 1269T>C | S |
| U40583 | U40583 | 118511 | GEN-40 | Nicotinic, Cholinergic receptor alpha 7 | 1790 | 1783A>T | 3 |

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|--------|--------|--------|-------------|--|------|---------|-------|
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 1792 | 1785T>A | 3 |
| U43030 | U43030 | 600435 | GEN-LFI | Human cardiotrophin-1 (CTF1) mRNA, complete cds | 1404 | 1372C>T | 3 |
| U43142 | U43142 | 601528 | GEN- 2UM | Human vascular endothelial growth factor related protein VRP mRNA, complete cds | 1499 | 1128C>T | S |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 446 | 253A>G | T85A |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 519 | 326A>G | K109R |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 861 | 668A>G | Q223R |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 1222 | 1029T>C | S |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 2161 | 1968G>C | K656N |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 2174 | 1981A>C | T661P |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 2764 | 2571T>G | S |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 3151 | 2958C>T | S |
| LEPR | U43168 | 601007 | GEN- 2UN | Human leptin receptor (Ob- r) mRNA, complete cds | 3250 | 3057G>A | S |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor mRNA, complete cds | 1424 | 1228A>G | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor mRNA, complete cds | 1604 | 1408C>G | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor mRNA, complete cds | 1719 | 1523G>A | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor mRNA, complete cds | 1827 | 1631G>A | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor mRNA, complete cds | 2286 | 2090G>A | 3 |
| SCYA11 | U46573 | 601156 | GEN- 2WZ | Human eotaxin precursor mRNA, complete cds | 120 | 67G>A | A23T |
| SCYA11 | U46573 | 601156 | GEN- 2WZ | Human eotaxin precursor mRNA, complete cds | 554 | 501T>C | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| U47634 | U47634 | None | GEN-2XR | Human beta-tubulin class III isotype (beta-3) mRNA, complete cds | 1005 | 1005C>T | S |
| U47634 | U47634 | None | GEN-2XR | Human beta-tubulin class III isotype (beta-3) mRNA, complete cds | 1035 | 1035C>T | S |
| U47634 | U47634 | None | GEN-2XR | Human beta-tubulin class III isotype (beta-3) mRNA, complete cds | 1431 | 1431T>C | 3 |
| U47634 | U47634 | None | GEN-2XR | Human beta-tubulin class III isotype (beta-3) mRNA, complete cds | 1502 | 1502G>A | 3 |
| U49516 | U49516 | 312861 | GEN-1Q | Serotonin 5-HT receptors 5-HT2C | 2915 | 2187A>C | 3 |
| U49516 | U49516 | 312861 | GEN-1Q | Serotonin 5-HT receptors 5-HT2C | 2947 | 2219A>G | 3 |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 196 | 180A>G | S |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 418 | 402C>G | S |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 2613 | 2597C>A | P866H |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 2638 | 2622G>A | S |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 2882 | 2866C>T | H956Y |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 3193 | 3177C>T | 3 |
| U50040 | U50040 | 601582 | GEN-2ZR | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 3222 | 3206C>T | 3 |

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| U50040 | IRF4 | U50040 | 601582 | GEN- 2ZR | polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | 3863 | 3847G>A | 3 |
| | | | | | Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds | | | |
| | IRF4 | U52682 | 601900 | GEN- 33X | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | 4296 | 4297G>A | 3 |
| | | | | | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | | | |
| | IRF4 | U52682 | 601900 | GEN- 33X | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | 4680 | 4681T>G | 3 |
| | | | | | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | | | |
| | IRF4 | U52682 | 601900 | GEN- 33X | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | 4732 | 4733T>G | 3 |
| | | | | | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | | | |
| | IRF4 | U52682 | 601900 | GEN- 33X | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | 4942 | 4943A>G | 3 |
| | | | | | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | | | |
| | IRF4 | U52682 | 601900 | GEN- 33X | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | 5079 | 5080T>C | 3 |
| | | | | | Human lymphocyte specific interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds | | | |
| | U55206 | U55206 | None | GEN- 35Z | Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds | 75 | 16T>C | C6R |
| | | | | | Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds | | | |
| | U55206 | U55206 | None | GEN- 35Z | Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds | 150 | 91G>A | A31T |
| | | | | | Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds | | | |
| | U55206 | U55206 | None | GEN- | Homo sapiens human | 511 | 452C>T | T151I |

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|--------|--------|--------|---------|--|------|---------|-------|
| U55206 | U55206 | None | GEN-35Z | 35Z gamma-glutamyl hydrolase (hGH) mRNA, complete cds | 1161 | 1102A>G | 3 |
| U56390 | U56390 | 602234 | GEN-36X | Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds | 411 | 408C>T | S |
| U58196 | U58196 | 147685 | GEN-67 | Human cysteine protease ICE-LAP6 mRNA, complete cds | 2711 | 2514A>G | 3 |
| U59863 | U59863 | None | GEN-3A7 | INTERLEUKIN ENHANCER-BINDING FACTOR Human TRAF-interacting protein I-TRAF mRNA, complete cds | 367 | 209A>G | D70G |
| U59863 | U59863 | None | GEN-3A7 | Human TRAF-interacting protein I-TRAF mRNA, complete cds | 1863 | 1705A>T | 3 |
| U59863 | U59863 | None | GEN-3A7 | Human TRAF-interacting protein I-TRAF mRNA, complete cds | 2046 | 1888G>A | 3 |
| U60519 | U60519 | 601762 | GEN-3AZ | Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds | 304 | 157G>A | E53K |
| U60519 | U60519 | 601762 | GEN-3AZ | Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds | 324 | 177A>G | S |
| U60800 | U60800 | None | GEN-3BC | Human semaphorin mRNA, complete cds | 779 | 692T>G | V231G |
| U61849 | U61849 | 602367 | GEN-3C0 | Human neuronal pentraxin 1 (NPTX1) mRNA, complete cds | 4963 | 4825T>C | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2296 | 1742C>G | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2387 | 1833C>T | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2504 | 1950G>T | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2538 | 1984G>A | 3 |

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| U62433 | U62433 | 118504 | 4EN GEN-4P | receptor alpha 2 Nicotinic, Cholinergic receptor alpha 4 | 870 | 639C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 870 | 639C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 909 | 678C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 909 | 678C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1440 | 1209T>G | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1440 | 1209T>G | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1458 | 1227C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1584 | 1353G>A | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1781 | 1550C>T | S517L |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1860 | 1629C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1860 | 1629C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1890 | 1659G>A | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1890 | 1659G>A | S |
| U70321 | U70321 | None | GEN- 3K9 | Human herpesvirus entry mediator mRNA, complete cds | 343 | 50G>A | R17K |
| U70321 | U70321 | None | GEN- 3K9 | Human herpesvirus entry mediator mRNA, complete cds | 1014 | 721G>A | V241I |
| U70321 | U70321 | None | GEN- 3K9 | Human herpesvirus entry mediator mRNA, complete cds | 1218 | 925A>G | 3 |
| U70321 | U70321 | None | GEN- 3K9 | Human herpesvirus entry mediator mRNA, complete cds | 1249 | 956C>T | 3 |
| U70321 | U70321 | None | GEN- 3K9 | Human herpesvirus entry mediator mRNA, complete cds | 1453 | 1160G>A | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| U70451 | U70451 | 602170 | GEN-3KB | Human myeloid differentiation primary response protein MyD88 mRNA, complete cds | 2167 | 2135A>G | 3 |
| U70451 | U70451 | 602170 | GEN-3KB | Human myeloid differentiation primary response protein MyD88 mRNA, complete cds | 2516 | 2484A>G | 3 |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1248 | 1095C>T | S |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1425 | 1272G>A | S |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 1158 | 764G>A | C255Y |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 5095 | 4701G>A | 3 |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 6750 | 6356G>A | 3 |
| U75283 | U75283 | None | GEN-3NV | Human sigma receptor mRNA, complete cds | 251 | 204G>A | S |
| U75283 | U75283 | None | GEN-3NV | Human sigma receptor mRNA, complete cds | 1625 | 1578A>C | 3 |
| U78294 | U78294 | 603697 | GEN-3QZ | Homo sapiens 15S-lipoxygenase mRNA, complete cds | 2449 | 2378A>G | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 1989 | 1811G>A | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 1996 | 1818C>T | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 2045 | 1867T>C | 3 |
| U84487 | U84487 | 601880 | GEN-3ZJ | Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds | 3015 | 2936T>C | 3 |

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|--------|--------|--------|---------|---|------|----------|-------|
| U84487 | U84487 | 601880 | GEN-32J | Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds | 3058 | 2979T>C | 3 |
| U86358 | U86358 | 602565 | GEN-LR6 | Human chemokine (TECK) mRNA, complete cds | 378 | 378A>G | S |
| CD39 | U87967 | 601752 | GEN-44L | Human ATP diphosphohydrolase mRNA, complete cds | 1233 | 1203C>T | S |
| V00537 | V00537 | 147578 | GEN-U1 | Interferon alpha 13 | 40 | (-17)T>C | 5 |
| V00537 | V00537 | 147578 | GEN-U1 | Interferon alpha 13 | 55 | (-2)C>T | 5 |
| V00537 | V00537 | 147578 | GEN-U1 | Interferon alpha 13 | 466 | 410C>T | A137V |
| V00537 | V00537 | 147578 | GEN-U1 | Interferon alpha 13 | 808 | 752G>A | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 47 | (-10)G>A | 5 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 50 | (-7)A>G | 5 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 579 | 523T>C | F175L |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 630 | 574C>G | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 740 | 684C>T | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 760 | 704T>A | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 771 | 715G>A | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 775 | 719T>A | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 812 | 756T>G | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 898 | 842A>T | 3 |
| IFNA14 | V00542 | 147579 | GEN-TT | Interferon alpha 14 | 921 | 865G>A | 3 |
| IFNB1 | V00546 | 147640 | GEN-TV | Messenger RNA for human fibroblast interferon | 474 | 410T>G | L137R |
| V00548 | V00548 | 147562 | GEN-P2 | Human messenger RNA for leukocyte (alpha-2) interferon | 119 | 119G>A | R40K |
| IFNA10 | V00551 | 147577 | GEN-TS | Interferon alpha 7 | 462 | 416C>T | S139F |
| IFNA10 | V00551 | 147577 | GEN-TS | Interferon alpha 7 | 510 | 464T>C | I155T |
| IFNA10 | V00551 | 147577 | GEN-TS | Interferon alpha 7 | 516 | 470G>A | R157K |
| IFNA10 | V00551 | 147577 | GEN-TS | Interferon alpha 7 | 712 | 666G>C | 3 |
| IFNA10 | V00551 | 147577 | GEN-TS | Interferon alpha 7 | 716 | 670C>T | 3 |
| V00567 | V00567 | 109700 | GEN-P3 | Human messenger RNA fragment for the beta-2 microglobulin | 303 | 303C>A | S |
| HLA- | X00033 | 146880 | GEN-T0 | Human RNA sequence of | 41 | 22A>C | M8L |

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| DQA1 | | | | | the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | | | | |
|----------|--------|--------|--------|-----|--|--------|------|--|--|
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 79 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 60T>C | S | | |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 145 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 126C>T | S | | |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 157 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 138C>G | S | | |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 162 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 143T>A | F48Y | | |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 165 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 146C>G | T49S | | |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | 227 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 208A>C | K70Q | | |

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|----------|--------|--------|--------|--|-----|--------|------|
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 243 | 224A>G | H75R |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 248 | 229C>T | L77F |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 298 | 279T>C | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 311 | 292C>G | L98V |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 334 | 315C>T | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 388 | 369A>G | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 559 | 540T>G | S |

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|----------|--------|--------|--------|--|-----|--------|-------|
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 564 | 545C>A | A182D |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 607 | 588T>C | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 644 | 625G>A | A209T |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 646 | 627A>C | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 679 | 660T>C | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 688 | 669G>A | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 704 | 685G>A | V229M |

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|----------|--------|--------|--------|--|------|---------|-------|
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 721 | 702G>C | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 724 | 705C>T | S |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 730 | 711G>C | L237F |
| HLA-DQA1 | X00033 | 146880 | GEN-T0 | Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC) | 800 | 781A>G | 3 |
| X00497 | X00497 | 142790 | GEN-TN | Human mRNA for HLA-DR antigens associated invariant chain (p33) | 805 | 750A>G | 3 |
| X00497 | X00497 | 142790 | GEN-TN | Human mRNA for HLA-DR antigens associated invariant chain (p33) | 881 | 826A>G | 3 |
| X00497 | X00497 | 142790 | GEN-TN | Human mRNA for HLA-DR antigens associated invariant chain (p33) | 1144 | 1089C>G | 3 |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 13 | 13T>A | S5T |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 91 | 91T>A | S31T |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 94 | 94C>T | R32C |

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|----------|--------|--------|--------|--|------|---------|-------|
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 151 | 151C>A | L51M |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 154 | 154C>A | S |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 158 | 158G>C | S53T |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 213 | 213G>A | S |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 281 | 281C>T | T94M |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 306 | 306C>T | S |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 341 | 341A>G | Q114R |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 353 | 353G>A | R118Q |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 488 | 488C>T | T163M |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 496 | 496T>C | S166P |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 524 | 524C>T | T175I |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 568 | 568A>G | R190G |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 600 | 600G>A | S |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 708 | 708C>G | F |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 761 | 761G>A | 3 |
| HLA-DPB1 | X00532 | 142858 | GEN-U2 | Human mRNA for SB beta-chain (clone pII-beta-7) | 840 | 840G>A | 3 |
| EGFR | X00663 | 131550 | GEN-U4 | Human mRNA fragment for epidermal growth factor (EGF) receptor | 1136 | 1136G>A | R379K |
| EGFR | X00663 | 131550 | GEN-U4 | Human mRNA fragment for epidermal growth factor (EGF) receptor | 1935 | 1935A>G | S |
| EGFR | X00663 | 131550 | GEN-U4 | Human mRNA fragment for epidermal growth factor (EGF) receptor | 2283 | 2283C>T | S |

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|--------|--------|--------|---------|---|------|----------|-------|
| X00734 | X00734 | None | GEN-MST | Human beta-tubulin gene (5-beta) with ten Alu family members | 1059 | 1059G>T | S |
| X00737 | X00737 | 164050 | GEN-P8 | Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1) | 59 | (-51)T>G | S |
| X00737 | X00737 | 164050 | GEN-P8 | Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1) | 169 | 60T>C | S |
| X00737 | X00737 | 164050 | GEN-P8 | Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1) | 260 | 151A>G | S51G |
| X00737 | X00737 | 164050 | GEN-P8 | Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1) | 280 | 171T>C | S |
| X00737 | X00737 | 164050 | GEN-P8 | Human mRNA for purine nucleoside phosphorylase (PNP; EC 2.4.2.1) | 1254 | 1145G>A | 3 |
| X01394 | X01394 | 191160 | GEN-4Y | Tumor necrosis factor | 125 | (-28)C>T | 5 |
| X01586 | X01586 | 147680 | GEN-PC | Interleukin 2 | 332 | 225T>G | H75Q |
| X01586 | X01586 | 147680 | GEN-PC | Interleukin 2 | 563 | 456G>A | S |
| X02317 | X02317 | 147450 | GEN-KM | Superoxide dismutase 1 (Cu/Zn) | 614 | 550A>C | 3 |
| X02469 | X02469 | 191170 | GEN-PF | Human mRNA for p53 cellular tumor antigen | 350 | 215C>G | P72R |
| X02469 | X02469 | 191170 | GEN-PF | Human mRNA for p53 cellular tumor antigen | 953 | 818G>A | R273H |
| X02492 | X02492 | 147572 | GEN-1T | Interferon alpha inducible protein | 415 | 346C>G | R116G |
| X02492 | X02492 | 147572 | GEN-1T | Interferon alpha inducible protein | 417 | 348G>C | S |
| X02598 | X02598 | 305370 | GEN-X6 | Human mRNA for EPA glycoprotein (erythroid-potentiating activity) | 64 | 23C>T | A8V |
| X02598 | X02598 | 305370 | GEN-X6 | Human mRNA for EPA glycoprotein (erythroid-potentiating activity) | 108 | 67C>G | P23A |
| X02598 | X02598 | 305370 | GEN-X6 | Human mRNA for EPA glycoprotein (erythroid-potentiating activity) | 298 | 257C>A | T86N |
| X02598 | X02598 | 305370 | GEN-X6 | Human mRNA for EPA glycoprotein (erythroid-potentiating activity) | 413 | 372T>C | S |

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|---------|--------|--------|--------|---|------|----------|-------|
| X02812 | X02812 | 190180 | GEN-XR | glycoprotein (erythroid-potentiating activity) | 870 | 29C>T | P10L |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 979 | 138C>G | I46M |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1632 | 791C>T | T284I |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1807 | 966C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1930 | 1089G>A | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1942 | 1101C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 2013 | 1172G>A | S391N |
| HLA-DOB | X03066 | 600629 | GEN-ZG | Human mRNA for HLA-D class II antigen DO beta chain | 32 | (-25)G>A | 5 |
| HLA-DOB | X03066 | 600629 | GEN-ZG | Human mRNA for HLA-D class II antigen DO beta chain | 1147 | 1091C>T | 3 |
| HLA-DOB | X03066 | 600629 | GEN-ZG | Human mRNA for HLA-D class II antigen DO beta chain | 1299 | 1243A>G | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 79 | (-3)A>G | 5 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 97 | 16T>G | S6A |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 203 | 122A>T | Y41F |

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|--------|--------|--------|--------|---|-----|--------|-------|
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 318 | 237C>T | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 408 | 327G>A | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 523 | 442A>G | I148V |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 550 | 469A>G | S157G |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 566 | 485G>A | R162Q |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 597 | 516C>T | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 618 | 537C>T | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 627 | 546C>T | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 639 | 558C>T | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 677 | 596G>A | R199H |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 684 | 603T>C | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 767 | 686G>A | S229N |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 784 | 703G>A | V235I |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 816 | 735T>C | S |

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|--------|--------|--------|--------|---|------|---------|-------|
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 822 | 741T>G | S |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 848 | 767G>A | R256Q |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 879 | 798G>A | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 889 | 808A>G | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 892 | 811C>T | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 924 | 843C>G | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 998 | 917A>G | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1073 | 992A>T | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1082 | 1001A>G | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1095 | 1014C>T | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1107 | 1026C>T | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1117 | 1036A>T | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1128 | 1047G>A | 3 |
| X03068 | X03068 | 142857 | GEN-ZH | Human mRNA for HLA-D class II antigen DQw1.1 beta chain | 1133 | 1052C>T | 3 |

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|--------|--------|--------|--------|---|------|---------|-------|
| X03068 | X03068 | 142857 | GEN-ZH | class II antigen DQw1.1 beta chain | 1180 | 1099C>T | 3 |
| | | | | Human mRNA for HLA-D class II antigen DQw1.1 | | | |
| X03069 | X03069 | 142857 | GEN-PI | beta chain | 99 | 37A>G | T13A |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 104 | 42G>T | S |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 348 | 286C>A | L96I |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 361 | 299G>A | R100K |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 452 | 390G>A | S |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 459 | 397T>G | S133A |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 463 | 401A>G | K134R |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 471 | 409C>A | P137T |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 500 | 438C>T | S |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 508 | 446G>A | S149N |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 523 | 461G>C | G154A |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |
| X03069 | X03069 | 142857 | GEN-PI | chain | 547 | 485G>T | R162L |
| | | | | Human mRNA for HLA-D class II antigen DR1 beta | | | |

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|--------|--------|--------|--------|--|-----|--------|-------|
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 551 | 489C>T | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 552 | 490G>A | G164S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 567 | 505G>A | A169T |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 573 | 511G>A | V171M |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 584 | 522A>G | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 593 | 531C>T | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 596 | 534G>C | Q178H |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 605 | 543T>C | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 632 | 570G>A | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 647 | 585G>A | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 686 | 624T>C | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 691 | 629C>T | T210M |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 692 | 630G>A | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 716 | 654A>T | R218S |

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|--------|--------|--------|--------|--|------|--------|-------|
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 721 | 659G>A | R220Q |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 756 | 694G>A | V232I |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 767 | 705C>T | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 800 | 738G>A | S |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 814 | 752G>A | R251K |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 847 | 785C>G | T262R |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 865 | 803A>G | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 868 | 806C>A | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 893 | 831C>T | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 899 | 837T>C | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 903 | 841A>G | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 913 | 851A>G | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 988 | 926G>A | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 1004 | 942G>A | 3 |

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|--------|--------|--------|--------|--|------|---------|-------|
| X03069 | X03069 | 142857 | GEN-PI | class II antigen DR1 beta chain | 1027 | 965C>T | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 1105 | 1043G>C | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 1128 | 1066C>T | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 1139 | 1077C>T | 3 |
| X03069 | X03069 | 142857 | GEN-PI | Human mRNA for HLA-D class II antigen DR1 beta chain | 1140 | 1078G>C | 3 |
| X03438 | X03438 | 138970 | GEN-PM | Human mRNA for granulocyte colony-stimulating factor (G-CSF) | 586 | 555G>A | S |
| X03438 | X03438 | 138970 | GEN-PM | Human mRNA for granulocyte colony-stimulating factor (G-CSF) | 1235 | 1204C>T | 3 |
| X03663 | X03663 | 164770 | GEN-51 | Colony stimulating factor 1 receptor | 3732 | 3432T>C | 3 |
| X03663 | X03663 | 164770 | GEN-51 | Colony stimulating factor 1 receptor | 3951 | 3651C>A | 3 |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 503 | 33C>G | H11Q |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 589 | 119C>T | S40L |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 672 | 202G>A | V68M |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 846 | 376A>G | N126D |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 2215 | 1745T>C | 3 |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 2242 | 1772T>C | 3 |
| X03674 | X03674 | 305900 | GEN-9K | Glucose-6-phosphate dehydrogenase | 2341 | 1871G>A | 3 |

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|--------|--------|--------|---------|---|------|----------|-------|
| X03884 | X03884 | 186830 | GEN-52 | CD3E antigen, epsilon polypeptide (TIT3 complex) | 108 | 54C>T | S |
| X03884 | X03884 | 186830 | GEN-52 | CD3E antigen, epsilon polypeptide (TIT3 complex) | 1258 | 1204T>A | 3 |
| X04391 | X04391 | None | GEN-14D | Human mRNA for lymphocyte glycoprotein T1/Leu-1 | 2084 | 2012G>A | 3 |
| CD1A | X04450 | 188370 | GEN-14J | Human CD1 mRNA fragment for HTA1 thymocyte antigen (3terminal fragment) | 402 | 402T>C | S |
| X04476 | X04476 | 153390 | GEN-14K | Human mRNA fragment for p56(LSTRA) protein-tyrosine kinase | 601 | 601G>A | 3 |
| X04571 | X04571 | 131530 | GEN-KY0 | Human mRNA for kidney epidermal growth factor (EGF) precursor | 4507 | 4071G>A | 3 |
| X04608 | X04608 | 104770 | GEN-PQ | Human mRNA for serum amyloid P component (SAP) | 698 | 602T>C | I201T |
| X06180 | X06180 | 186820 | GEN-19A | Human mRNA for CD7 antigen (gp40) | 1121 | 1122C>T | 3 |
| ITGA5 | X06256 | 135620 | GEN-19B | Human mRNA for fibronectin receptor alpha subunit | 2562 | 2539C>A | L847I |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 83 | (-54)G>C | 5 |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 940 | 804G>A | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 1327 | 1191T>C | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 1906 | 1770C>T | S |
| TCRD | X06557 | 186810 | GEN-19M | Human mRNA for TCR-delta chain | 1032 | 1014C>A | 3 |
| X07523 | X07523 | 134371 | GEN-1E5 | Human mRNA for truncated form of complement factor H | 1170 | 1097G>A | G366E |
| X07523 | X07523 | 134371 | GEN-1E5 | Human mRNA for truncated form of complement factor H | 1277 | 1204T>C | Y402H |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 44 | 40C>G | P14A |

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|--------|--------|--------|---------|---|------|---------|------|
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 51 | 47T>C | V16A |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 198 | 194C>A | T65N |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 249 | 245T>C | I82T |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 1189 | 1086A>C | S |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 1279 | 1176A>C | S |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 2713 | 2610T>C | 3 |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 2878 | 2775T>A | 3 |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 3339 | 3236A>G | 3 |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for fibronectin receptor beta subunit | 3531 | 3428G>A | 3 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 128 | (-1)C>T | 5 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1413 | 1285T>G | 3 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1431 | 1303C>T | 3 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1518 | 1390G>A | 3 |
| X12530 | X12530 | 112210 | GEN-1MH | Human mRNA for B lymphocyte antigen CD20 (B1, Bp35) | 131 | 38C>T | P13L |
| X12530 | X12530 | 112210 | GEN-1MH | Human mRNA for B lymphocyte antigen CD20 (B1, Bp35) | 1318 | 1225G>A | 3 |

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|--------|--------|--------|---------|--|------|---------|-------|
| X13403 | X13403 | 164175 | GEN-L8 | POU domain, class 2, transcription factor 1 | 1298 | 1239T>C | S |
| X13403 | X13403 | 164175 | GEN-L8 | POU domain, class 2, transcription factor 1 | 1476 | 1417G>A | A473T |
| X13561 | X13561 | 147910 | GEN-10H | Human mRNA for preprokalikrein (EC 3.4.21) | 54 | 18G>T | S |
| X13561 | X13561 | 147910 | GEN-10H | Human mRNA for preprokalikrein (EC 3.4.21) | 441 | 405T>C | S |
| X13561 | X13561 | 147910 | GEN-10H | Human mRNA for preprokalikrein (EC 3.4.21) | 469 | 433G>C | E145Q |
| X13561 | X13561 | 147910 | GEN-10H | Human mRNA for preprokalikrein (EC 3.4.21) | 592 | 556A>G | K186E |
| LIF | X13967 | 159540 | GEN-1PZ | Human mRNA for leukaemia inhibitory factor | 3710 | 3666T>G | 3 |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 195 | 159T>C | S |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1006 | 970G>A | D324N |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1161 | 1125G>A | S |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1164 | 1128G>A | 3 |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1174 | 1138G>T | 3 |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1203 | 1167C>T | 3 |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1217 | 1181G>A | 3 |
| X14356 | X14356 | 146760 | GEN-1R0 | Human mRNA for high affinity Fc receptor (FcRI) | 1279 | 1243G>A | 3 |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 131 | 107A>G | K36R |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 132 | 108G>A | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 164 | 140A>C | N47T |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 255 | 231G>T | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 381 | 357A>G | S |

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|--------|--------|--------|---------|---|------|----------|-------|
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 400 | 376C>G | L126V |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 412 | 388G>A | G130S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 450 | 426G>A | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 522 | 498C>T | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 540 | 516G>C | K172N |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 553 | 529C>A | P177T |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 594 | 570A>G | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 624 | 600T>C | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 639 | 615T>C | S |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 659 | 635G>A | R212K |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 738 | 714A>C | 3 |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 740 | 716A>T | 3 |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 752 | 728C>A | 3 |
| X14583 | X14583 | None | GEN-1RJ | Human mRNA for Ig lambda-chain | 858 | 834C>G | 3 |
| CHRNA1 | X14830 | 100710 | GEN-4EK | Nicotinic, Cholinergic receptor beta 1 | 1375 | 1359C>T | S |
| CHRNA1 | X14830 | 100710 | GEN-4EK | Nicotinic, Cholinergic receptor beta 1 | 1591 | 1575T>C | 3 |
| X15263 | X15263 | None | GEN-4EQ | Muscarinic receptor, CHRM1 | 1144 | 1044G>A | S |
| X15606 | X15606 | 146630 | GEN-20 | Intercellular adhesion molecule 2 | 884 | 822G>A | S |
| IRF2 | X15949 | 147576 | GEN-1UO | Human mRNA for Interferon regulatory factor-2 (IRF-2) | 842 | 744G>A | S |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 41 | (-12)T>G | 5 |

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|--------|--------|--------|---------|--|-----|--------|------|
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 86 | 34A>G | M12V |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 111 | 59C>T | P20L |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 115 | 63G>A | S |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 162 | 110C>T | S37F |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 260 | 208A>G | S70G |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 274 | 222T>C | S |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 280 | 228T>C | S |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 289 | 237A>G | S |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 375 | 323C>T | 3 |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 393 | 341A>C | 3 |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 395 | 343A>G | 3 |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 437 | 385C>T | 3 |
| X16166 | X16166 | 182284 | GEN-QT | Human mRNA for putative cytokine 21 (HC21) | 549 | 497G>C | 3 |
| CSNK2B | X16312 | 115441 | GEN-1XW | Human mRNA for putative cytokine 21 (HC21) | 271 | 138T>C | S |
| CSNK2B | X16312 | 115441 | GEN-1XW | Human mRNA for putative cytokine 21 (HC21) | 812 | 679A>T | 3 |
| CSNK2B | X16312 | 115441 | GEN-1XW | Human mRNA for putative cytokine 21 (HC21) | 885 | 752T>C | 3 |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma receptor III-1 (CD 16) | 141 | 108C>G | S36R |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma receptor III-1 (CD 16) | 147 | 114T>C | S |

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| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 277 | 244A>G | N82D |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 473 | 440A>G | D147G |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 505 | 472C>T | H158Y |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 531 | 498T>C | S |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 559 | 526G>T | V176F |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 733 | 700T>C | F |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 766 | 733C>T | 3 |
| X16863 | X16863 | 146740 | GEN-1YV | Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16) | 829 | 796G>A | 3 |
| MIC2 | X16996 | 313470 | GEN-1ZE | Human mRNA for T-cell surface glycoprotein E2 | 210 | 87T>C | S |
| MIC2 | X16996 | 313470 | GEN-1ZE | Human mRNA for T-cell surface glycoprotein E2 | 283 | 160G>A | D54N |
| MIC2 | X16996 | 313470 | GEN-1ZE | Human mRNA for T-cell surface glycoprotein E2 | 486 | 363C>T | S |
| MIC2 | X16996 | 313470 | GEN-1ZE | Human mRNA for T-cell surface glycoprotein E2 | 1068 | 945C>T | 3 |
| X17033 | X17033 | 192974 | GEN-LG | Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) | 4193 | 4145T>G | 3 |
| X17033 | X17033 | 192974 | GEN-LG | Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) | 4849 | 4801A>G | 3 |
| X17033 | X17033 | 192974 | GEN-LG | Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) | 4897 | 4849A>G | 3 |

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| X17042 | X17042 | 177040 | GEN-1ZN | Human mRNA for hematopoietic proteoglycan core protein | 324 | 300C>T | S |
| X17042 | X17042 | 177040 | GEN-1ZN | Human mRNA for hematopoietic proteoglycan core protein | 1021 | 997G>T | 3 |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 849 | 777T>C | S |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1102 | 1030A>G | S344G |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1107 | 1035G>A | S |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1175 | 1103T>G | V368G |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1212 | 1140C>T | S |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1561 | 1489C>G | R497G |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1692 | 1620G>T | Q540H |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 1816 | 1744G>C | V582L |
| IGHM | X17115 | 147020 | GEN-1ZX | Human mRNA for IgM heavy chain complete sequence | 2006 | 1934T>A | 3 |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 20 | 15G>A | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 41 | 36G>A | S |

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|-------|--------|--------|---------|---|------|---------|---|
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 248 | 243G>A | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 356 | 351C>T | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 812 | 807A>C | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 839 | 834G>A | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 947 | 942C>T | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1004 | 999A>G | S |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1123 | 1118G>C | 3 |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1140 | 1135C>A | 3 |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1148 | 1143C>T | 3 |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1254 | 1249T>G | 3 |
| HLA-G | X17273 | 142871 | GEN-205 | Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen | 1255 | 1250C>G | 3 |

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|--|--------|--------|---------|--|------|---------|-------|--|--|
| mRNA for non classical class I transplantation antigen | | | | | | | | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 588 | 423G>A | S | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1104 | 939C>T | S | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1122 | 957T>C | S | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1248 | 1083A>G | S | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1488 | 1323T>C | S | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1548 | 1383A>G | 3 | | |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 2361 | 2196C>T | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1262 | 1152G>A | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1649 | 1539C>G | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1700 | 1590C>T | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1742 | 1632C>T | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1797 | 1687C>T | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1914 | 1804G>C | 3 | | |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 2040 | 1930C>T | 3 | | |
| X52079 | X52079 | 602272 | GEN-33B | H.sapiens transcription factor (ITF-2) mRNA, 3 end | 979 | 979T>G | S327A | | |
| X52079 | X52079 | 602272 | GEN-33B | H.sapiens transcription factor (ITF-2) mRNA, 3 end | 1794 | 1794G>A | S | | |
| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3044 | 2869G>A | 3 | | |
| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3289 | 3114A>G | 3 | | |
| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3391 | 3216C>T | 3 | | |
| X52479 | X52479 | 176960 | GEN-LM | Protein kinase C, alpha | 908 | 881A>C | D294A | | |
| CD22 | X52785 | 107266 | GEN-33Z | H.sapiens CD22 mRNA | 1357 | 1323C>T | S | | |

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| CD22 | X52785 | 107266 | GEN-332 | H.sapiens CD22 mRNA | 1531 | 1497C>T | S |
| CHRNA3 | X53559 | 118503 | GEN-34I | Nicotinic, Cholinergic receptor alpha 3 | 212 | 212A>G | D71G |
| CHRNA3 | X53559 | 118503 | GEN-34I | Nicotinic, Cholinergic receptor alpha 3 | 552 | 552C>T | S |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 510 | 354C>T | S |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1196 | 1040G>T | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1309 | 1153G>A | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1325 | 1169G>A | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1335 | 1179G>A | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1362 | 1206C>T | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1367 | 1211C>T | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1368 | 1212G>A | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1370 | 1214G>A | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1371 | 1215T>C | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1378 | 1222C>T | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1382 | 1226G>A | 3 |

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| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1392 | 1236C>T | 3 |
| KAI1 | X53795 | 600623 | GEN-34P | Human R2 mRNA for an inducible membrane protein | 1423 | 1267C>T | 3 |
| X54101 | X54101 | None | GEN-34W | Human NKG5 mRNA, expressed in natural killer cells and T-cells | 484 | 356C>T | T1191 |
| X54101 | X54101 | None | GEN-34W | Human NKG5 mRNA, expressed in natural killer cells and T-cells | 625 | 497C>G | 3 |
| X54101 | X54101 | None | GEN-34W | Human NKG5 mRNA, expressed in natural killer cells and T-cells | 717 | 589C>G | 3 |
| FCAR | X54150 | 147045 | GEN-34T | Human mRNA for Fc receptor | 363 | 324A>G | S |
| X54199 | X54199 | 138440 | GEN-LS | Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase | 168 | 90G>A | S |
| X54315 | X54315 | 114020 | GEN-351 | Human mRNA for N-cadherin | 2549 | 2448T>C | S |
| X54867 | X54867 | 161555 | GEN-MIV | Human mRNA for NKG2-A gene | 1188 | 1024G>C | 3 |
| X54867 | X54867 | 161555 | GEN-MIV | Human mRNA for NKG2-A gene | 1214 | 1050T>A | 3 |
| X54867 | X54867 | 161555 | GEN-MIV | Human mRNA for NKG2-A gene | 1232 | 1068A>T | 3 |
| X54867 | X54867 | 161555 | GEN-MIV | Human mRNA for NKG2-A gene | 1269 | 1105G>A | 3 |
| X54867 | X54867 | 161555 | GEN-MIV | Human mRNA for NKG2-A gene | 1353 | 1189C>T | 3 |
| X55415 | X55415 | 137060 | GEN-364 | Human mRNA for UDP_galactose:N-acetylglucosaminide-(beta 1->4) galactosyltransferase | 28 | (-12)G>C | 5 |

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| X55415 | X55415 | 137060 | GEN-364 | Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta 1->4) | 30 | (-10)C>G | 5 |
| X55415 | X55415 | 137060 | GEN-364 | galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta 1->4) | 531 | 492G>A | S |
| X55415 | X55415 | 137060 | GEN-364 | galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta 1->4) | 770 | 731A>G | H244R |
| X55415 | X55415 | 137060 | GEN-364 | galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta 1->4) | 1041 | 1002G>A | S |
| X55740 | X55740 | 129190 | GEN- 36H | galactosyltransferase Human placental cDNA coding for 5nucleotidase (EC 3.1.3.5) | 3373 | 3324T>G | 3 |
| CRP | X56692 | 123260 | GEN-373 | H.sapiens mRNA for C- reactive protein | 330 | 241A>G | I81V |
| CRP | X56692 | 123260 | GEN-373 | H.sapiens mRNA for C- reactive protein | 636 | 547G>A | V183M |
| CRP | X56692 | 123260 | GEN-373 | H.sapiens mRNA for C- reactive protein | 1020 | 931G>A | 3 |
| YWHAB | X57346 | 601289 | GEN- 37R | H.sapiens mRNA for HS1 protein | 432 | 60C>A | S |
| YWHAB | X57346 | 601289 | GEN- 37R | H.sapiens mRNA for HS1 protein | 1135 | 763T>C | 3 |
| X57348 | X57348 | 601290 | GEN- 37S | H.sapiens mRNA (clone 9112) | 1317 | 1152C>T | 3 |
| X57348 | X57348 | 601290 | GEN- 37S | H.sapiens mRNA (clone 9112) | 1342 | 1177C>T | 3 |
| X57522 | X57522 | 170260 | GEN- 37W | H.sapiens RING4 cDNA | 1207 | 1177A>G | I393V |
| X57522 | X57522 | 170260 | GEN- 37W | H.sapiens RING4 cDNA | 2120 | 2090A>G | D697G |

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| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 499 | 499T>C | C167R |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 524 | 524G>A | F |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 545 | 545G>A | S182N |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 558 | 558A>C | Q186H |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 571 | 571G>A | E191K |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 616 | 616C>T | F |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 639 | 639G>A | S |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 695 | 695A>G | Y232C |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 714 | 714C>T | 3 |
| X57819 | X57819 | None | GEN-389 | Human rearranged immunoglobulin lambda light chain mRNA | 724 | 724C>T | 3 |
| X57830 | X57830 | 182135 | GEN-7V | Serotonin 5-HT2 receptor | 247 | 102T>C | S |
| X58377 | X58377 | 147681 | GEN-38V | Interleukin 11 | 807 | 744A>G | 3 |
| X58377 | X58377 | 147681 | GEN-38V | Interleukin 11 | 927 | 864T>G | 3 |
| X58377 | X58377 | 147681 | GEN-38V | Interleukin 11 | 1964 | 1901T>C | 3 |
| BTK | X58957 | 300300 | GEN-39A | H.sapiens atk mRNA for agammaglobulinaemia tyrosine kinase | 2228 | 2096A>C | 3 |
| BTK | X58957 | 300300 | GEN- | H.sapiens atk mRNA for | 2304 | 2172A>G | 3 |

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| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1624 | 1266C>T | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1637 | 1279C>A | P427T |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1651 | 1293C>T | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1662 | 1304T>C | V435A |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1783 | 1425A>G | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1794 | 1436C>T | T479M |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1795 | 1437G>A | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 1981 | 1623C>T | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2007 | 1649C>T | T550M |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2031 | 1673C>T | S558L |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2047 | 1689C>T | S |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2147 | 1789C>T | 3 |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2176 | 1818C>T | 3 |
| X60069 | X60069 | 231950 | GEN-3AJ | glutamyltransferase Human mRNA for pancreatic gamma-glutamyltransferase | 2224 | 1866C>A | 3 |

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|--------|--------|--------|---------|-----|---|------|---------|-------|
| X60992 | X60992 | 186720 | GEN-3BI | 3AJ | pancreatic gamma-glutamyltransferase | 2556 | 2436T>C | 3 |
| X61157 | X61157 | 109635 | GEN-23 | | H.sapiens CD6 mRNA for T cell glycoprotein CD6 | 203 | 96A>C | S |
| X61157 | X61157 | 109635 | GEN-23 | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 1372 | 1265A>G | H422R |
| X61157 | X61157 | 109635 | GEN-23 | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 1501 | 1394G>A | R465K |
| X61157 | X61157 | 109635 | GEN-23 | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 1766 | 1659C>T | S |
| X61157 | X61157 | 109635 | GEN-23 | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 1823 | 1716T>C | S |
| X61157 | X61157 | 109635 | GEN-23 | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 2976 | 2869G>A | 3 |
| NFKB2 | X61498 | 164012 | GEN-3BW | | Adrenergic receptor (Beta kinase 1-phosphorylates beta adrenergic receptor) | 2457 | 2294C>T | P765L |
| KDR | X61656 | 191306 | GEN-3BZ | | H.sapiens mRNA for NF-kB subunit | 2308 | 2308A>G | T770A |
| KDR | X61656 | 191306 | GEN-3BZ | | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2353 | 2353G>C | G785R |
| KDR | X61656 | 191306 | GEN-3BZ | | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2499 | 2499C>G | N833K |
| KDR | X61656 | 191306 | GEN-3BZ | | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2537 | 2537A>T | E846V |
| KDR | X61656 | 191306 | GEN-3BZ | | H.sapiens mRNA for growth factor receptor tyrosine kinase | 4123 | 4123G>C | 3 |
| X62572 | X62572 | 146790 | GEN-3CL | | H.sapiens RNA for Fc receptor, PC23 | 967 | 968T>C | 3 |

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| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1240 | 1241A>G | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1300 | 1301C>T | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1542 | 1543G>C | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1560 | 1561C>A | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1709 | 1710T>G | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 1931 | 1932A>T | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 2032 | 2033G>A | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 2136 | 2137G>A | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 2176 | 2177C>T | 3 |
| X62572 | X62572 | 146790 | GEN- 3CL | H.sapiens RNA for Fc receptor, PC23 | 2201 | 2202G>A | 3 |
| X62744 | X62744 | 142855 | GEN- 3CQ | Human RING6 mRNA for HLA class II alpha chain- like product | 541 | 496G>A | V166I |
| X62744 | X62744 | 142855 | GEN- 3CQ | Human RING6 mRNA for HLA class II alpha chain- like product | 674 | 629G>A | R210H |
| X62744 | X62744 | 142855 | GEN- 3CQ | Human RING6 mRNA for HLA class II alpha chain- like product | 750 | 705G>C | S |
| X62744 | X62744 | 142855 | GEN- 3CQ | Human RING6 mRNA for HLA class II alpha chain- like product | 1081 | 1036A>T | 3 |
| X63053 | X63053 | 602492 | GEN- 3D4 | H.sapiens PTX3 mRNA | 1689 | 1684G>A | 3 |
| TCRB | X63456 | 186930 | GEN- 3DG | H.sapiens mRNA for T-cell antigen receptor beta- chain | 421 | 411G>C | K137N |
| TCRB | X63456 | 186930 | GEN- 3DG | H.sapiens mRNA for T-cell antigen receptor beta- chain | 496 | 486G>A | S |
| TCRB | X63456 | 186930 | GEN- 3DG | H.sapiens mRNA for T-cell antigen receptor beta- chain | 516 | 506T>A | F169Y |

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|--------|--------|--------|---------|---|------|---------|-------|
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 520 | 510C>T | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 580 | 570A>G | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 754 | 744C>T | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 805 | 795T>C | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 811 | 801G>C | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 813 | 803T>A | V268E |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 817 | 807C>T | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 860 | 850C>T | S |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| TCRB | X63456 | 186930 | 3DG | antigen receptor beta-chain | 878 | 868C>A | L290M |
| | | | GEN-3DG | H.sapiens mRNA for T-cell antigen receptor beta-chain | | | |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA CONVERTASE PRECURSOR | 51 | 44G>A | R15H |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA CONVERTASE PRECURSOR | 116 | 109A>C | K37Q |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA CONVERTASE PRECURSOR | 261 | 254G>A | G85E |
| X66403 | X66403 | 100725 | GEN-5D | Nicotinic, Cholinergic receptor epsilon polypeptide | 2236 | 2225G>T | 3 |

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| X66403 | X66403 | 100725 | GEN-5D | Nicotinic, Cholinergic receptor epsilon polypeptide | 2333 | 2322A>G | 3 |
| X66403 | X66403 | 100725 | GEN-5D | Nicotinic, Cholinergic receptor epsilon polypeptide | 2364 | 2353G>T | 3 |
| CD44 | X66733 | 107269 | GEN- 3H2 | H.sapiens mRNA for epican | 384 | 255C>T | S |
| CD44 | X66733 | 107269 | GEN- 3H2 | H.sapiens mRNA for epican | 455 | 326C>A | S109Y |
| X67325 | X67325 | 600009 | GEN-25 | Interferon alpha inducible protein 27 | 311 | 257G>A | S86N |
| X67325 | X67325 | 600009 | GEN-25 | Interferon alpha inducible protein 27 | 320 | 266G>C | G89A |
| X67325 | X67325 | 600009 | GEN-25 | Interferon alpha inducible protein 27 | 485 | 431C>G | 3 |
| X67699 | X67699 | 114280 | GEN- 3HP | H.sapiens HE5 mRNA for CDw52 antigen | 143 | 119G>A | S40N |
| X67699 | X67699 | 114280 | GEN- 3HP | H.sapiens HE5 mRNA for CDw52 antigen | 147 | 123G>A | M41I |
| X68596 | X68596 | 168468 | GEN-3IJ | H.sapiens mRNA for parathyroid hormone receptor | 1563 | 1389T>C | S |
| X69117 | X69117 | 109636 | GEN-5G | BETA-ADRENERGIC RECEPTOR KINASE 2 | 1182 | 1182T>C | S |
| X69117 | X69117 | 109636 | GEN-5G | BETA-ADRENERGIC RECEPTOR KINASE 2 | 1609 | 1609G>A | E537K |
| X69819 | X69819 | 146631 | GEN-28 | Intercellular adhesion molecule 3 | 195 | 187A>G | I63V |
| X69819 | X69819 | 146631 | GEN-28 | Intercellular adhesion molecule 3 | 317 | 309C>T | S |
| X69819 | X69819 | 146631 | GEN-28 | Intercellular adhesion molecule 3 | 436 | 428G>A | G143D |
| X69819 | X69819 | 146631 | GEN-28 | Intercellular adhesion molecule 3 | 1172 | 1164G>A | S |
| X69819 | X69819 | 146631 | GEN-28 | Intercellular adhesion molecule 3 | 1219 | 1211G>A | R404Q |
| X70340 | X70340 | 190170 | GEN-S3 | H.sapiens mRNA for transforming growth factor alpha | 3756 | 3725C>G | 3 |
| X70811 | X70811 | 109691 | GEN- | beta-3-adrenergic receptor | 315 | 190T>C | W64R |

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| X70811 | X70811 | 109691 | 3KK | GEN-3KK | beta-3-adrenergic receptor | 315 | 190T>C | W64R |
| ENG | X72012 | 131195 | GEN-3L3 | H.sapiens end mRNA for endoglin | 1165 | 884C>G | T295R | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1380 | 1155C>T | S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1503 | 1278C>T | S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2048 | 1823C>T | S608L | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2287 | 2062G>A | G688S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2339 | 2114A>G | D705G | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2583 | 2358T>C | S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2982 | 2757A>G | S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3022 | 2797C>G | R933G | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3051 | 2826C>T | S | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3693 | 3468T>C | 3 | |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3715 | 3490G>A | 3 | |
| RGS1 | X73427 | 600323 | GEN-3M6 | H.sapiens 1r20 mRNA for alpha helical basic phosphoprotein | 247 | 233C>T | A78V | |
| MHC2TA | X74301 | 600005 | GEN-3N5 | H.sapiens mRNA for MHC class II transactivator | 1614 | 1499C>G | A500G | |
| MHC2TA | X74301 | 600005 | GEN-3N5 | H.sapiens mRNA for MHC class II transactivator | 3759 | 3644G>A | 3 | |
| MHC2TA | X74301 | 600005 | GEN-3N5 | H.sapiens mRNA for MHC class II transactivator | 4422 | 4307T>C | 3 | |
| X75913 | X75913 | 601269 | GEN-3OG | H.sapiens mRNA for gC1q-R | 1052 | 974A>G | 3 | |
| X75913 | X75913 | 601269 | GEN-3OG | H.sapiens mRNA for gC1q-R | 1074 | 996T>C | 3 | |
| X75962 | X75962 | 600315 | GEN-3OG | H.sapiens mRNA for OX40 | 836 | 831C>T | S | |

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|--------|--------|--------|---------|-----|---|------|---------|-------|
| LIPA | X76488 | 278000 | GEN-3P2 | MNA | homologue | 191 | 46A>C | T16P |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 212 | 67G>A | G23R |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 967 | 822G>A | M274I |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 1531 | 1386C>T | 3 |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 2254 | 2109A>T | 3 |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 2439 | 2294C>T | 3 |
| LIPA | X76488 | 278000 | GEN-3P2 | | H.sapiens mRNA for lysosomal acid lipase | 528 | 351G>A | S |
| X77130 | X77130 | 602548 | GEN-4FN | | H.sapiens mRNA for ORL1 receptor | 569 | 392A>G | Y131C |
| X77130 | X77130 | 602548 | GEN-4FN | | H.sapiens mRNA for ORL1 receptor | 687 | 510C>T | S |
| X77130 | X77130 | 602548 | GEN-4FN | | H.sapiens mRNA for ORL1 receptor | 1303 | 1126C>G | 3 |
| X77130 | X77130 | 602548 | GEN-4FN | | H.sapiens mRNA for ORL1 receptor | 1601 | 1424T>G | 3 |
| X77130 | X77130 | 602548 | GEN-4FN | | H.sapiens mRNA for ORL1 receptor | 1816 | 1639G>T | 3 |
| X77722 | X77722 | 602376 | GEN-29 | | Interferon (alpha,beta,omega) receptor 2 (splice variant) | 253 | 28G>T | V10F |
| X77722 | X77722 | 602376 | GEN-29 | | Interferon (alpha,beta,omega) receptor 2 (splice variant) | 1128 | 903A>G | S |
| ID1 | X77956 | 600349 | GEN-3QL | | H.sapiens Id1 mRNA | 380 | 345G>A | S |
| ID1 | X77956 | 600349 | GEN-3QL | | H.sapiens Id1 mRNA | 382 | 347C>A | T116N |
| ID1 | X77956 | 600349 | GEN-3QL | | H.sapiens Id1 mRNA | 842 | 807A>C | 3 |
| ID1 | X77956 | 600349 | GEN-3QL | | H.sapiens Id1 mRNA | 851 | 816G>A | 3 |
| YWHAH | X78138 | 113508 | GEN-3QU | | H.sapiens 14-3-3 eta subtype mRNA | 953 | 753A>G | 3 |

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|--------|--------|--------|---------|---|------|---------|---|
| YWHAH | X78138 | 113508 | GEN-3QU | H.sapiens 14-3-3 eta subtype mRNA | 960 | 760G>A | 3 |
| YWHAH | X78138 | 113508 | GEN-3QU | H.sapiens 14-3-3 eta subtype mRNA | 1387 | 1187C>T | 3 |
| X78282 | X78282 | 601292 | GEN-LVF | H.sapiens mRNA for aryl sulfotransferase (ST1A2) | 895 | 895T>C | 3 |
| X78706 | X78706 | 600184 | GEN-2A | Carnitine Acetyltransferase | 1922 | 1922G>A | 3 |
| X78706 | X78706 | 600184 | GEN-2A | Carnitine Acetyltransferase | 2378 | 2378G>A | 3 |
| X78706 | X78706 | 600184 | GEN-2A | Carnitine Acetyltransferase | 2382 | 2382G>A | 3 |
| X79483 | X79483 | 602399 | GEN-LPR | H.sapiens ERK6 mRNA for extracellular signal regulated kinase | 1287 | 1254T>G | 3 |
| X80200 | X80200 | None | GEN-3UL | H.sapiens MLN62 mRNA | 1581 | 1496C>A | 3 |
| X80200 | X80200 | None | GEN-3UL | H.sapiens MLN62 mRNA | 1684 | 1599G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 528 | 529C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 534 | 535C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 594 | 595T>C | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 601 | 602A>C | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 668 | 669A>T | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 726 | 727T>C | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 796 | 797G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 804 | 805G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN-3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 827 | 828A>T | 3 |

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|-------|--------|--------|-------------|---|------|---------|---|
| IGHG3 | X81695 | 147120 | 3W4 | VH-D-JH-Hinge-CH2-CH3 region | 828 | 829C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 842 | 843C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 849 | 850G>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 853 | 854A>C | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 900 | 901T>C | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 905 | 906G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 916 | 917G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 957 | 958G>C | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 963 | 964G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 970 | 971G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 973 | 974C>G | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 999 | 1000C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1002 | 1003T>C | 3 |

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|--------|--------|--------|-------------|---|------|---------|-------|
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1012 | 1013A>C | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1045 | 1046G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1050 | 1051C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1073 | 1074C>G | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1075 | 1076C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1088 | 1089A>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1092 | 1093G>A | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1113 | 1114C>T | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1130 | 1131G>C | 3 |
| IGHG3 | X81695 | 147120 | GEN- 3W4 | H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region | 1137 | 1138G>A | 3 |
| X82321 | X82321 | None | GEN- 3WT | H.sapiens mRNA for thiol- specific antioxidant | 304 | 304G>A | G102R |
| X82321 | X82321 | None | GEN- 3WT | H.sapiens mRNA for thiol- specific antioxidant | 422 | 422G>T | W141L |
| X82321 | X82321 | None | GEN- 3WT | H.sapiens mRNA for thiol- specific antioxidant | 640 | 640C>G | 3 |
| X82321 | X82321 | None | GEN- 3WT | H.sapiens mRNA for thiol- specific antioxidant | 655 | 655C>T | 3 |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 43 | 22G>A | A8T |
| HLA-C | X83394 | 142840 | GEN- | H.sapiens mRNA for HLA- | 49 | 28C>A | L10I |

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|-------|--------|--------|-------------|--------------------------------|-----|--------|-------|
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 68 | 47G>C | G16A |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 80 | 59C>T | T20I |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 94 | 73T>G | C25G |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 118 | 97G>T | D33Y |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 126 | 105C>T | S |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 155 | 134G>A | R45H |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 163 | 142T>G | S48A |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 222 | 201G>A | S |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 234 | 213C>G | S |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 239 | 218C>A | A73E |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 291 | 270G>C | K90N |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 310 | 289G>A | A97T |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 323 | 302G>A | S101N |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 333 | 312C>A | N104K |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 362 | 341A>C | D114A |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 374 | 353C>T | T118I |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 382 | 361A>T | R121W |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 408 | 387C>G | S |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 430 | 409T>C | Y137H |
| HLA-C | X83394 | 142840 | 3XX GEN- | H.sapiens mRNA for HLA-Cw*0704 | 433 | 412G>A | D138N |

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|-------|--------|--------|-------------|------------------------------------|-----|--------|-------|
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 441 | 420C>A | F140L |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 474 | 453C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 480 | 459C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 495 | 474C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 507 | 486C>G | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 520 | 499A>T | T167S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 533 | 512T>G | L171W |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 548 | 527C>A | A176E |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 622 | 601A>G | K201E |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 626 | 605C>A | T202K |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 639 | 618G>A | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 644 | 623C>A | P208H |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 669 | 648C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 673 | 652C>G | L218V |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 724 | 703G>A | A235T |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 748 | 727C>T | R243W |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 756 | 735G>C | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 765 | 744G>A | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 768 | 747C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 777 | 756C>T | S |
| HLA-C | X83394 | 142840 | GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 835 | 814G>A | V272M |

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|--------|--------|--------|--------------------|---|------|-----------|-------|
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 850 | 829C>G | Q277E |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 874 | 853A>G | M285V |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 893 | 872A>C | Q291P |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 912 | 891C>A | S297R |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 933 | 912C>T | S |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 946 | 925A>G | M309V |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 977 | 956T>C | V319A |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 1012 | 991A>G | M331V |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 1070 | 1049G>C | C350S |
| HLA-C | X83394 | 142840 | 3XX GEN- 3XX | H.sapiens mRNA for HLA- Cw*0704 | 1108 | 1087A>G | T363A |
| X83861 | X83861 | 176806 | 3XX GEN-5H | Prostaglandin E receptor 3 (subtype EP3) (alternative products) | 387 | 180C>G | S |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 32 | (-161)C>T | 5 |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 317 | 125G>A | R42H |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 435 | 243C>T | S |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 616 | 424G>A | V142I |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 663 | 471C>T | S |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 900 | 708T>C | 3 |
| X84213 | X84213 | 600516 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 974 | 782C>T | 3 |
| CD97 | X84700 | 601211 | 3XX GEN- 3XX | H.sapiens BAK mRNA for BCI-2 homologue | 828 | 758C>G | P253R |
| X86474 | X86474 | 600250 | 3XX GEN- 3XX | H.sapiens mRNA for ATAC | 249 | 225A>G | S |

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| X86474 | X86474 | 600250 | 40W GEN-40W | H.sapiens mRNA for ATAC protein | 357 | 333T>C | S |
| X86474 | X86474 | 600250 | GEN-40W | H.sapiens mRNA for ATAC protein | 423 | 399G>C | 3 |
| X86474 | X86474 | 600250 | GEN-40W | H.sapiens mRNA for ATAC protein | 446 | 422G>A | 3 |
| X86681 | X86681 | 602110 | GEN-40W | H.sapiens mRNA for protein | 1725 | 1340G>A | 3 |
| X97058 | X97058 | 602451 | 41E GEN-4BB | nucleolar protein, HNP36 P2 purinoceptor (P2Y6) | 121 | (-156)T>G | 5 |
| X97370 | X97370 | 601459 | GEN-4BM | H.sapiens mRNA for prepronociceptin | 167 | 144T>C | S |
| X97370 | X97370 | 601459 | GEN-4BM | H.sapiens mRNA for prepronociceptin | 637 | 614C>A | 3 |
| X97370 | X97370 | 601459 | GEN-4BM | H.sapiens mRNA for prepronociceptin | 862 | 839C>G | 3 |
| Y00052 | Y00052 | 123840 | GEN-SX | Cyclophilin A | 221 | 207C>G | S |
| Y00052 | Y00052 | 123840 | GEN-SX | Cyclophilin A | 268 | 254A>G | D85G |
| Y00052 | Y00052 | 123840 | GEN-SX | Cyclophilin A | 332 | 318C>T | S |
| Y00052 | Y00052 | 123840 | GEN-SX | Cyclophilin A | 627 | 613C>A | 3 |
| PTPRC | Y00062 | 151460 | GEN-SY | Human mRNA for T200 leukocyte common antigen (CD45, LC-A) | 3437 | 3291T>C | S |
| PTPRC | Y00062 | 151460 | GEN-SY | Human mRNA for T200 leukocyte common antigen (CD45, LC-A) | 3441 | 3295G>A | V1099I |
| Y00486 | Y00486 | 102600 | GEN-MGW | Human APRT gene for adenine | 503 | 432C>A | S |
| Y00486 | Y00486 | 102600 | GEN-MGW | phosphoribosyltransferase Human APRT gene for adenine | 505 | 434G>C | R145P |
| Y00486 | Y00486 | 102600 | GEN-MGW | phosphoribosyltransferase Human APRT gene for adenine | 792 | 721A>G | 3 |
| Y00749 | Y00749 | 131240 | GEN-P7 | phosphoribosyltransferase Endothelin 1 | 846 | 594G>T | K198N |
| TCRG | Y00790 | 186970 | GEN-UC | Human mRNA for T-cell receptor gamma-chain | 492 | 456G>A | S |
| TCRG | Y00790 | 186970 | GEN-UC | Human mRNA for T-cell | 507 | 471A>G | S |

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|--------|--------|--------|---------|----------------------------|------|---------|-------|
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 528 | 492C>T | S |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 555 | 519A>T | S |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 559 | 523A>G | I175V |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 636 | 600C>T | S |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 676 | 640G>A | E214K |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 733 | 697A>G | I233V |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 849 | 813G>T | W271C |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 908 | 872C>T | T291M |
| | | | | Human mRNA for T-cell | | | |
| TCRG | Y00790 | 186970 | GEN-UC | receptor gamma-chain | 970 | 934A>G | R312G |
| | | | | Human mRNA for T-cell | | | |
| Y00796 | Y00796 | 153370 | GEN-2B | receptor gamma-chain | 1006 | 918C>T | S |
| | | | | Leukocyte integrin alpha-I | | | |
| Y00796 | Y00796 | 153370 | GEN-2B | receptor gamma-chain | 4519 | 4431A>G | 3 |
| | | | | Leukocyte integrin alpha-I | | | |
| CR1 | Y00816 | 120620 | GEN-UG | Human mRNA for | 207 | 180G>C | E60D |
| | | | | complement receptor type | | | |
| | | | | 1 (CR1, C3b/C4b receptor, | | | |
| | | | | CD35) | | | |
| Y07683 | Y07683 | 600843 | GEN-4F1 | H.sapiens mRNA for P2X3 | 717 | 552C>T | S |
| | | | | purinoceptor | | | |
| Y07683 | Y07683 | 600843 | GEN-4F1 | H.sapiens mRNA for P2X3 | 753 | 588A>G | S |
| | | | | purinoceptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 835 | 809A>G | H270R |
| | | | | receptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 946 | 920G>A | R307Q |
| | | | | receptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 1068 | 1042G>A | A348T |
| | | | | receptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 1096 | 1070C>G | T357S |
| | | | | receptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 1405 | 1379A>G | Q460R |
| | | | | receptor | | | |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 | 1589 | 1563C>G | H521Q |
| | | | | receptor | | | |

| | | | | | | | |
|--------|--------|--------|---------|--|------|---------|-------|
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1590 | 1564G>A | V522I |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1628 | 1602G>T | S |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1759 | 1733G>A | R578Q |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1772 | 1746G>A | S |
| Y10659 | Y10659 | 300119 | GEN-1J6 | H.sapiens IL-13Ra mRNA | 1116 | 1073G>A | G358D |
| Y12509 | Y12509 | None | GEN-1ME | Homo sapiens mRNA for UDP-Gal:GlcNAc galactosyltransferase | 257 | 257G>A | G86D |
| Y12510 | Y12510 | None | GEN-1MC | Homo sapiens mRNA for UDPGal:GlcNAc b1,4 galactosyltransferase | 909 | 909C>T | S |
| Z11695 | Z11695 | 176948 | GEN-1L1 | H.sapiens 40 kDa protein kinase related to rat ERK2 | 1287 | 1153G>A | 3 |
| Z11696 | Z11696 | 601795 | GEN-1L0 | H.sapiens 44kDa protein kinase related to rat ERK1 | 449 | 449T>G | I150S |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 246 | 240T>C | S |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 1694 | 1688A>C | D563A |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 2033 | 2027G>A | 3 |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 2086 | 2080T>G | 3 |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 25 | 25G>C | V9L |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 103 | 103G>T | A35S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 106 | 106A>G | M36V |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 165 | 165C>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 209 | 209A>C | E70A |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 213 | 213C>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 222 | 222A>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 259 | 259A>G | N87D |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 261 | 261C>G | N87K |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 353 | 353T>C | I118T |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 355 | 355A>C | I119L |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 362 | 362G>C | R121T |

| | | | | | | | |
|--------|--------|------|---------|-------------------------|------|---------|-------|
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 379 | 379C>G | L127V |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 387 | 387C>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 409 | 409C>T | H137Y |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 412 | 412G>A | D138N |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 435 | 435G>A | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 463 | 463A>C | S155R |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 477 | 477G>C | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 486 | 486C>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 527 | 527T>A | V176E |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 538 | 538C>T | R180W |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 539 | 539G>T | R180L |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 544 | 544G>A | A182T |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 572 | 572G>C | W191S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 583 | 583T>C | Y195H |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 603 | 603G>C | E201D |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 610 | 610C>G | Q204E |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 621 | 621C>A | D207E |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 623 | 623C>A | P208H |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 636 | 636C>T | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 648 | 648C>T | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 652 | 652G>A | V218I |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 668 | 668C>T | A223V |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 693 | 693C>T | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 756 | 756T>C | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 774 | 774A>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 786 | 786T>C | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 846 | 846A>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 900 | 900A>G | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 909 | 909G>A | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 916 | 916A>G | I306V |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 985 | 985A>G | T329A |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 1008 | 1008C>T | S |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 1046 | 1046C>G | S349C |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 1120 | 1120T>C | 3 |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 1164 | 1164G>A | 3 |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B*35 mRNA | 1192 | 1192C>T | 3 |

| | | | | | | | |
|---------|--------|--------|---------|--|------|---------|-------|
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 1209 | 1209C>T | 3 |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 1219 | 1219C>A | 3 |
| Z22651 | Z22651 | None | GEN-268 | H.sapiens HLA-B35 mRNA | 1163 | 1135G>A | V379I |
| TAP2 | Z22935 | 170261 | GEN-26P | H.sapiens TAP2B mRNA, complete CDS | 1186 | 1158G>T | S |
| TAP2 | Z22935 | 170261 | GEN-26P | H.sapiens TAP2B mRNA, complete CDS | 1840 | 1812G>A | S |
| TAP2 | Z22935 | 170261 | GEN-26P | H.sapiens TAP2B mRNA, complete CDS | 2021 | 1993G>A | A665T |
| TAP2 | Z22935 | 170261 | GEN-26P | H.sapiens TAP2B mRNA, complete CDS | 2087 | 2059C>T | F |
| TAP2 | Z22935 | 170261 | GEN-26P | H.sapiens TAP2B mRNA, complete CDS | 2119 | 2091T>G | S |
| HLA-DMB | Z23139 | 142856 | GEN-277 | H.sapiens RING7 mRNA for HLA class II alpha chain-like product | 380 | 212G>A | S71N |
| HLA-DMB | Z23139 | 142856 | GEN-277 | H.sapiens RING7 mRNA for HLA class II alpha chain-like product | 1125 | 957C>T | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 437 | 438C>T | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 466 | 467G>A | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 2664 | 2665C>T | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 3168 | 3169G>T | 3 |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1141 | 1104C>T | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1627 | 1590T>C | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1696 | 1659G>A | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1946 | 1909G>A | V637M |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 2433 | 2396G>A | 3 |
| Z35491 | Z35491 | 601497 | GEN-2ME | H.sapiens mRNA for novel glucocorticoid receptor- | 315 | 37G>A | E13K |

| | | | | | | | |
|--------|--------|--------|---------|---|------|---------|-------|
| Z35491 | Z35491 | 601497 | GEN-2ME | H.sapiens mRNA for novel glucocorticoid receptor-associated protein | 333 | 55G>A | E19K |
| Z35491 | Z35491 | 601497 | GEN-2ME | H.sapiens mRNA for novel glucocorticoid receptor-associated protein | 1297 | 1019A>C | 3 |
| PDE4C | Z46632 | 600128 | GEN-2X2 | H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase | 280 | 169C>T | R57C |
| PDE4C | Z46632 | 600128 | GEN-2X2 | H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase | 1142 | 1031G>A | R344Q |
| Z48810 | Z48810 | 602664 | GEN-2YJ | H.sapiens mRNA for TX protease precursor | 1280 | 1239A>C | 3 |
| Z56281 | Z56281 | 603734 | GEN-36V | H.sapiens mRNA for interferon regulatory factor | 883 | 837G>A | S |
| Z56281 | Z56281 | 603734 | GEN-36V | H.sapiens mRNA for interferon regulatory factor | 1114 | 1068G>A | S |
| Z56281 | Z56281 | 603734 | GEN-36V | H.sapiens mRNA for interferon regulatory factor | 1175 | 1129G>A | E377K |
| Z56281 | Z56281 | 603734 | GEN-36V | H.sapiens mRNA for interferon regulatory factor | 1326 | 1280G>C | S427T |
| Z56281 | Z56281 | 603734 | GEN-36V | H.sapiens mRNA for interferon regulatory factor | 1373 | 1327A>C | 3 |

Table 16.
Identified
Variances
In Genes
for
Pathways
Identified
in
Endocrine
and

SD-144146.1

Metabolic
Disease

| | | | | | | | |
|---------|---------|--------|-------------|---|------|---------|-------|
| AB00026 | AB00026 | 602784 | GEN- 16N | Human mRNA for prepro cortisol-like peptide, complete cds | 215 | 210T>C | S |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 612 | 612A>G | S |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 628 | 628A>G | T210A |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 871 | 871T>C | +291Q |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 948 | 948G>A | S |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 973 | 973T>C | +325R |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 1600 | 1600C>T | R534C |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 2308 | 2308T>C | C770R |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 2770 | 2770G>A | V924M |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 3727 | 3727G>A | 3 |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 4036 | 4036G>A | 3 |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 4602 | 4602C>A | 3 |
| AB00238 | AB00238 | 601698 | GEN- 1D6 | Human mRNA for KIAA0387 gene, partial cds | 4621 | 4621C>A | 3 |
| AB00528 | AB00528 | 300135 | GEN- KVU | Homo sapiens mRNA for ABC transporter 7 protein, complete cds | 2137 | 2069A>T | H690L |
| AB00529 | AB00529 | 170290 | GEN-W4 | Homo sapiens mRNA for perilipin, complete cds | 2197 | 2073A>T | 3 |
| AB00942 | AB00942 | 600130 | GEN- MDN | Homo sapiens gene for apobec-1 | 1016 | 534C>T | S |
| AB01071 | AB01071 | 602601 | GEN- 1SQ | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1071 | 1010T>A | 3 |
| AB01071 | AB01071 | 602601 | GEN- | Homo sapiens mRNA for | 1073 | 1012T>C | 3 |

SD-144146.1

| | | | | | | |
|----------|----------|---------|---|------|---------|------|
| 0 | 0 | 15Q | lectin-like oxidized LDL receptor, complete cds | 1073 | 1012T>C | 3 |
| AB01071 | AB01071 | GEN-15Q | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1801 | 1740A>G | 3 |
| AB01071 | AB01071 | GEN-15Q | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 2199 | 2138G>A | 3 |
| AB01071 | AB01071 | GEN-15Q | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 249 | 213T>C | S |
| AB01336 | AB01336 | GEN-L6C | Homo sapiens mRNA for DPM2, complete cds | 263 | 227C>G | T76S |
| AB01336 | AB01336 | GEN-L6C | Homo sapiens mRNA for DPM2, complete cds | 2468 | 2369G>A | 3 |
| AB01678 | AB01678 | GEN-L39 | Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds | 2549 | 2450G>A | 3 |
| AB01678 | AB01678 | GEN-L39 | Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds | 2755 | 2856G>A | 3 |
| AB01678 | AB01678 | GEN-L39 | Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds | 3998 | 3914G>T | 3 |
| ACLY | X84330 | GEN-3F0 | H.sapiens mRNA for ATP-citrate lyase | 4229 | 4145A>C | 3 |
| ACLY | X84330 | GEN-3F0 | H.sapiens mRNA for ATP-citrate lyase | 1044 | 1038T>C | S |
| AF001174 | AF001174 | GEN-18T | Homo sapiens p38beta2 MAP kinase mRNA, complete cds | 75 | 67T>C | C23R |
| AF001437 | AF001437 | GEN-9T | Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex) | | | |

| | | | | | | | |
|----------|----------|--------|-------------|---|------|---------|-------|
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 116 | 108C>T | S |
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 759 | 751T>G | S251A |
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 806 | 798C>T | S |
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 866 | 858T>C | S |
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 2000 | 1992G>T | 3 |
| AF001437 | AF001437 | 245349 | GEN-9T | Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex) | 2158 | 2150C>A | 3 |
| AF004709 | AF004709 | 602899 | GEN-UX | Homo sapiens stress- activated protein kinase 4 mRNA, complete cds | 432 | 384G>A | S |
| AF009923 | AF009923 | 603169 | GEN- KZM | Homo sapiens preprocathepsin P mRNA, partial cds | 702 | 702C>T | S |
| AF009923 | AF009923 | 603169 | GEN- KZM | Homo sapiens preprocathepsin P mRNA, partial cds | 1018 | 1018T>C | 3 |
| AF009923 | AF009923 | 603169 | GEN- KZM | Homo sapiens preprocathepsin P mRNA, partial cds | 1129 | 1129G>A | 3 |
| AF013611 | AF013611 | 602364 | GEN- 20Z | Homo sapiens lymphopain mRNA, complete cds | 537 | 537T>G | H179Q |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 314 | 291C>T | S |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 431 | 408T>C | S |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 506 | 483A>G | S |

| | | | | | | | |
|----------|----------|--------|-------------|--|------|---------|--------|
| AF053712 | AF053712 | None | GEN- MM2 | Homo sapiens osteoprotegerin ligand mRNA, complete cds | 2086 | 1902T>G | 3 |
| AF064548 | AF064548 | 603506 | GEN- KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 1695 | 1647C>T | S |
| AF064548 | AF064548 | 603506 | GEN- KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4037 | 3989C>T | A1330V |
| AF064548 | AF064548 | 603506 | GEN- KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4683 | 4635C>A | S |
| AF064548 | AF064548 | 603506 | GEN- KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4802 | 4754C>T | S1585L |
| AF066859 | AF066859 | 232600 | GEN- LKT | Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete cds | 53 | 53G>A | G18D |
| AF066859 | AF066859 | 232600 | GEN- LKT | Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete cds | 856 | 856T>C | F286L |
| AF066859 | AF066859 | 232600 | GEN- LKT | Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete cds | 1716 | 1716C>T | S |
| AF071748 | AF071748 | None | GEN- LOZ | Homo sapiens cathepsin F (CATSF) mRNA, complete cds | 1055 | 963C>T | S |
| AF071748 | AF071748 | None | GEN- LOZ | Homo sapiens cathepsin F (CATSF) mRNA, complete cds | 1344 | 1252G>A | 3 |
| AF071748 | AF071748 | None | GEN- LOZ | Homo sapiens cathepsin F (CATSF) mRNA, complete cds | 1513 | 1421T>C | 3 |
| AF071748 | AF071748 | None | GEN- LOZ | Homo sapiens cathepsin F (CATSF) mRNA, complete cds | 1574 | 1482C>A | 3 |

| AF071748 | AF071748 | None | LOZ | (CATSF) mRNA, complete cds |
|----------|----------|---------|---------|---|
| | GEN-LOZ | | | Homo sapiens cathepsin F (CATSF) mRNA, complete cds |
| | 1576 | 1484G>A | 3 | |
| AGL | U84007 | 232400 | GEN-327 | Human glycogen debranching enzyme isoform 1 (AGL) mRNA, alternatively spliced isoform, complete cds |
| | | | | 7309 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 659 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 842 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 1155 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 1476 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 1821 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen mRNA, complete CDS |
| | | | | 2053 |
| AJ005162 | AJ005162 | 600067 | GEN-KVT | Homo sapiens mRNA for UDP-glucuronosyltransferase |
| | | | | 1915 |
| APOH | M62839 | 138700 | GEN-3CY | Human apolipoprotein H mRNA, complete cds |
| | | | | 500 |
| APOH | M62839 | 138700 | GEN-3CY | Human apolipoprotein H mRNA, complete cds |
| | | | | 835 |
| APOH | M62839 | 138700 | GEN-3CY | Human apolipoprotein H mRNA, complete cds |
| | | | | 1098 |
| ARG1 | M14502 | 207800 | GEN-1RE | Human liver arginase mRNA, complete cds |
| | | | | 800 |
| AVPR1B | AF030512 | 600264 | GEN-4FF | Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete cds |
| | | | | 273 |
| BMP1 | M22488 | 112264 | GEN-25X | Human bone morphogenetic protein 1 (BMP-1) mRNA |
| | | | | 2224 |
| BMP4 | M22490 | 112262 | GEN- | Human bone |
| | | | | 849 |
| | | | | 455T>C |
| | | | | V152A |

| | 25Y | morphogenetic protein-2B (BMP-2B) mRNA | | | | |
|-------|---------|---|--------|---|------|----------|
| BMP7 | GEN-32H | X51801 | 112267 | Human OP-1 mRNA for osteogenic protein | 1752 | 1630T>C |
| BMP7 | GEN-32H | X51801 | 112267 | Human OP-1 mRNA for osteogenic protein | 1789 | 1667G>A |
| CAT | GEN-13P | X04076 | 115500 | Human kidney mRNA for catalase | 51 | (-20)T>C |
| CAT | GEN-13P | X04076 | 115500 | Human kidney mRNA for catalase | 218 | 148C>T |
| CAT | GEN-13P | X04076 | 115500 | Human kidney mRNA for catalase | 1237 | 1167T>C |
| CAT | GEN-13P | X04076 | 115500 | Human kidney mRNA for catalase | 1325 | 1255C>T |
| CAT | GEN-13P | X04076 | 115500 | Human kidney mRNA for catalase | 2131 | 2061A>C |
| CBG | GEN-Y2 | J02943 | 122500 | Human corticosteroid binding globulin mRNA, complete cds | 106 | 71A>T |
| CBG | GEN-Y2 | J02943 | 122500 | Human corticosteroid binding globulin mRNA, complete cds | 971 | 936T>C |
| CBG | GEN-Y2 | J02943 | 122500 | Human corticosteroid binding globulin mRNA, complete cds | 1229 | 1194G>A |
| CCKBR | GEN-1FL | L08112 | 118445 | Cholecystokinin (CCKb) complete cds | 456 | 456G>A |
| CETP | GEN-2FK | M30185 | 118470 | Human cholesteryl ester transfer protein mRNA, complete cds | 1283 | 1153G>C |
| CETP | GEN-2FK | M30185 | 118470 | Human cholesteryl ester transfer protein mRNA, complete cds | 1298 | 1168G>C |
| CETP | GEN-2FK | M30185 | 118470 | Human cholesteryl ester transfer protein mRNA, complete cds | 1394 | 1264A>G |
| CETP | GEN-2FK | M30185 | 118470 | Human cholesteryl ester transfer protein mRNA, complete cds | 1394 | 1264A>G |
| CETP | GEN-2FK | M30185 | 118470 | Human cholesteryl ester transfer protein mRNA, complete cds | 1506 | 1376A>G |

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|---------|--------|--------|---------|---|------|---------|-------|
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1696 | 1566G>A | 3 |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 131 | 84C>T | S |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 429 | 382G>T | V128F |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 836 | 789C>T | S |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1234 | 1187C>T | S396L |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1372 | 1325A>T | Y442F |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1482 | 1435C>T | 3 |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1548 | 1501C>T | 3 |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1645 | 1598A>T | 3 |
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 22 | 22A>G | I8V |
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 2071 | 2071A>G | 3 |

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|---------|--------|--------|---------|---|------|---------|-------|
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 2126 | 2126A>G | 3 |
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 2395 | 2395A>G | 3 |
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 3372 | 3372A>T | 3 |
| COL18A1 | L22548 | 120328 | GEN-262 | Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds | 3374 | 3374A>C | 3 |
| CRHBP | X58022 | 122559 | GEN-38K | Human mRNA for corticotropin-releasing factor binding protein (CRF-BP) | 987 | 941T>G | I314S |
| CTGF | U14750 | 121009 | GEN-1S3 | Human connective tissue growth factor mRNA, partial cds | 1878 | 1878A>C | 3 |
| CTSG | M16117 | 116830 | GEN-1XI | Human cathepsin G mRNA, complete cds | 382 | 374A>G | N125S |
| CTSL | X12451 | 116880 | GEN-1M1 | Human mRNA for pro- cathepsin L (major excreted protein MEP) | 1300 | 1012C>T | 3 |
| CYP11B2 | D13752 | 124080 | GEN-CCD | Human CYP11B2 gene for steroid 18-hydroxylase, complete cds | 1600 | 1593G>A | 3 |
| CYP21 | M17252 | 201910 | GEN-201 | Human cytochrome P450c21 mRNA, 3 end | 224 | 224G>A | R75H |
| CYP21 | M17252 | 201910 | GEN-201 | Human cytochrome P450c21 mRNA, 3 end | 330 | 330C>T | S |
| CYP21 | M17252 | 201910 | GEN-201 | Human cytochrome P450c21 mRNA, 3 end | 745 | 745T>C | 3 |
| D13811 | D13811 | 238310 | GEN-AA | Glycine cleavage system: Protein T | 277 | 148G>T | V50L |
| D13811 | D13811 | 238310 | GEN-AA | Glycine cleavage system: Protein T | 1073 | 944G>A | R315K |
| D13811 | D13811 | 238310 | GEN-AA | Glycine cleavage system: Protein T | 1083 | 954G>A | S |
| D13811 | D13811 | 238310 | GEN-AA | Glycine cleavage system: Protein T | 1773 | 1644C>T | 3 |

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|--------|--------|--------|---------|--|------|---------|-------|
| D13811 | D13811 | 238310 | GEN-AA | Glycine cleavage system: Protein T | 2037 | 1908C>T | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3378 | 3276G>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3755 | 3653G>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3949 | 3847G>C | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 4368 | 4266T>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 4455 | 4353G>A | 3 |
| D63480 | D63480 | 116898 | GEN-3DN | Human mRNA for KIAA0146 gene, partial cds | 1728 | 1728G>A | S |
| D82347 | D82347 | 601724 | GEN-MIP | Neurogenic differentiation 1 | 804 | 695G>A | G232D |
| D85730 | D85730 | 140559 | GEN-LR0 | Homo sapiens HSPA1L mRNA for Heat shock protein 70 testis variant, complete cds | 2156 | 2021C>G | 3 |
| D87258 | D87258 | 602194 | GEN-42R | Homo sapiens mRNA for serin protease with IGF-binding motif, complete cds | 150 | 102C>T | S |
| D87812 | D87812 | 600528 | GEN-6 | Carnitine Palmitoyltransferase I (muscle) ACAT1 | 2363 | 2344T>C | 3 |
| D90228 | D90228 | 203750 | GEN-46A | | 547 | 471C>A | S |
| DCN | M14219 | 125255 | GEN-1QX | Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA, complete cds | 1490 | 1409A>G | 3 |
| DCN | M14219 | 125255 | GEN-1QX | Human chondroitin/dermatan | 1534 | 1453C>T | 3 |

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|------|--------|--------|---------|--------------------------------|------|----------|-------|
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 229 | (-48)A>G | 5 |
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 366 | 90G>A | S |
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 474 | 198G>A | S |
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 1539 | 1263G>A | S |
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 2040 | 1764A>C | 3 |
| DRD1 | X58987 | 126449 | GEN-4EH | D1 dopaminergic receptor | 2045 | 1769C>A | 3 |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1141 | 1104C>T | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1627 | 1590T>C | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1696 | 1659G>A | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1946 | 1909G>A | V637M |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 2433 | 2396G>A | 3 |
| EDN2 | M65199 | 131241 | GEN-CBS | Endothelin 2 | 384 | 314C>T | A105V |
| EDN2 | M65199 | 131241 | GEN-CBS | Endothelin 2 | 997 | 927A>G | 3 |
| EDN2 | M65199 | 131241 | GEN-CBS | Endothelin 2 | 997 | 927A>G | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1262 | 1152G>A | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1649 | 1539C>G | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1700 | 1590C>T | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1742 | 1632C>T | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1797 | 1687C>T | 3 |

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|--------|--------|--------|---------|---|------|-----------|---|
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 1914 | 1804G>C | 3 |
| EDN3 | X52001 | 131242 | GEN-33E | Endothelin 3 | 2040 | 1930C>T | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1449 | 969C>T | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1449 | 969C>T | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1485 | 1005A>G | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1485 | 1005A>G | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1834 | 1354C>G | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1834 | 1354C>G | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2228 | 1748G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2376 | 1896G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2764 | 2284G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2764 | 2284G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2840 | 2360G>C | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2935 | 2455G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 3294 | 2814A>G | 3 |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 88 | (-146)A>G | 5 |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 332 | 99C>T | S |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 1064 | 831G>A | S |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 1064 | 831G>A | S |
| EHHADH | L07077 | 261515 | GEN-1DF | Human enoyl-CoA hydratase 3-hydroxyacyl-CoA dehydrogenase | 1225 | 1218G>A | S |

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|--------|--------|--------|---------|---|------|-----------|-------|
| EHHADH | L07077 | 261515 | GEN-1DF | (EHHADH) mRNA, complete cds with repeats Human enoyl-CoA: hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats | 1823 | 1816C>A | P506T |
| FACL1 | L09229 | 152425 | GEN-1GI | Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds | 3026 | 2953G>A | 3 |
| FACL1 | L09229 | 152425 | GEN-1GI | Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds | 3083 | 3010G>A | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 323 | (-123)G>C | 5 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1180 | 735T>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1201 | 756A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1216 | 771A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1218 | 773G>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1266 | 821A>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1306 | 861C>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1654 | 1209A>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1657 | 1212T>C | 3 |

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|-------|--------|--------|---------|--|------|---------|---|
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 1799 | 1354A>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 1801 | 1356C>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 1867 | 1422A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 1945 | 1500C>A | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 1973 | 1528G>A | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 2167 | 1722G>A | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 2186 | 1741A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 2302 | 1857T>A | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | complete cds Human keratinocyte growth factor mRNA, | 2328 | 1883G>A | 3 |
| FGF8 | U36223 | 600483 | GEN-2MX | complete cds Human fibroblast growth factor 8 (FGF-8) mRNA, | 300 | 291T>C | S |
| FGF8 | U36223 | 600483 | GEN-2MX | complete cds Human fibroblast growth factor 8 (FGF-8) mRNA, | 645 | 636G>C | S |
| FGF8 | U36223 | 600483 | GEN-2MX | complete cds Human fibroblast growth factor 8 (FGF-8) mRNA, | 648 | 639A>G | S |
| FGFR1 | X51803 | 136350 | GEN-32G | complete cds Human mRNA for fibroblast growth factor (FGF) receptor | 276 | 159T>G | S |
| FGFR2 | X52832 | 176943 | GEN-341 | Human bek mRNA for | 338 | 159A>G | S |

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|-------|--------|--------|---------|--|------|----------|-------|
| FGFR2 | X52832 | 176943 | GEN-341 | fibroblast growth factor receptor-BEK Human bek mRNA for fibroblast growth factor receptor-BEK | 2903 | 2724A>T | 3 |
| FGFR3 | M64347 | 134934 | GEN-3EX | Human novel growth factor receptor mRNA, 3 cds | 3108 | 3108C>A | 3 |
| FGFR3 | M64347 | 134934 | GEN-3EX | Human novel growth factor receptor mRNA, 3 cds | 3715 | 3715G>A | 3 |
| FGFR4 | X57205 | 134935 | GEN-37M | Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4) | 83 | 28G>A | V10I |
| FGFR4 | X57205 | 134935 | GEN-37M | Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4) | 217 | 162T>G | S |
| FSHR | M65085 | 136435 | GEN-3FQ | FSH receptor | 2105 | 2039G>A | S680N |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 815 | (-14)G>A | 5 |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 861 | 33C>T | S |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 3301 | 2473C>T | 3 |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 3477 | 2649C>T | 3 |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 3496 | 2668T>G | 3 |
| GAA | Y00839 | 232300 | GEN-UJ | a-glucosidase | 3509 | 2681G>A | 3 |
| GALN | M77140 | 137035 | GEN-3PM | H.sapiens pro-galanin mRNA, 3' end | 339 | 339C>T | 3 |
| GC | M12654 | 139200 | GEN-1MN | Human serum vitamin D-binding protein (hDBP) mRNA, complete cds | 925 | 897T>C | S |
| GC | M12654 | 139200 | GEN-1MN | Human serum vitamin D-binding protein (hDBP) mRNA, complete cds | 1324 | 1296G>T | E432D |
| GC | M12654 | 139200 | GEN-1MN | Human serum vitamin D-binding protein (hDBP) mRNA, complete cds | 1335 | 1307C>A | T436K |
| GC | M12654 | 139200 | GEN-1MN | Human serum vitamin D-binding protein (hDBP) mRNA, complete cds | 1362 | 1334G>A | R445H |
| GLP1R | U01157 | 138032 | GEN-V3 | Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 780 | 780C>A | F260L |

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|-------|--------|--------|---------|--|------|---------|-------|
| GLP1R | U01157 | 138032 | GEN-V3 | repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 780 | 780C>A | F260L |
| GLP1R | U01157 | 138032 | GEN-V3 | repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 947 | 947G>C | G316A |
| GLP1R | U01157 | 138032 | GEN-V3 | repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 947 | 947G>C | G316A |
| GLP1R | U01157 | 138032 | GEN-V3 | repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 1200 | 1200C>A | S |
| GLP1R | U01157 | 138032 | GEN-V3 | repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide | 1200 | 1200C>A | S |
| GNRHR | L07949 | 138850 | GEN-1F1 | repeat, complete cds Gonadotropin releasing hormone agonist | 1371 | 1347C>A | 3 |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for glutathione peroxidase (EC 1.11.1.9.) | 504 | 186G>A | S |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for glutathione peroxidase (EC 1.11.1.9.) | 610 | 292C>G | R98G |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for glutathione peroxidase (EC 1.11.1.9.) | 911 | 593C>T | P198L |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for glutathione peroxidase (EC 1.11.1.9.) | 1048 | 730A>C | 3 |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for glutathione peroxidase (EC 1.11.1.9.) | 1110 | 792A>C | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 821 | 773C>T | 3 |

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| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 979 | 931G>A | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 1187 | 1139T>G | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 1354 | 1306C>T | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 1443 | 1395C>T | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 1516 | 1488C>A | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPx-3 mRNA for plasma glutathione peroxidase | 1581 | 1533C>T | 3 |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 718 | 638T>C | 3 |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 837 | 757C>A | 3 |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 882 | 802A>C | 3 |
| GSS | U34683 | 601002 | GEN-2LF | Human glutathione synthetase mRNA, complete cds | 364 | 324G>A | S |
| GYS1 | J04501 | 138570 | GEN-14W | Human muscle glycogen synthase mRNA, complete cds | 567 | 407T>C | I136T |
| GYS1 | J04501 | 138570 | GEN-14W | Human muscle glycogen synthase mRNA, complete cds | 2276 | 2116C>A | R706S |
| GYS1 | J04501 | 138570 | GEN-14W | Human muscle glycogen synthase mRNA, complete cds | 2457 | 2297A>C | 3 |

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| GYS1 | J04501 | 138570 | GEN-14W | Human muscle glycogen synthase mRNA, complete cds | 2470 | 2310C>T | 3 |
| GYS1 | J04501 | 138570 | GEN-14W | Human muscle glycogen synthase mRNA, complete cds | 3099 | 2939T>C | 3 |
| HADHA | U04627 | 600890 | GEN-155 | Human 78 kDa gastrin-binding protein mRNA, complete cds | 1507 | 1507G>A | V503M |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 871 | 825T>C | S |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1607 | 1561G>C | 3 |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1908 | 1862A>C | 3 |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1911 | 1865A>C | 3 |
| HGF | X16323 | 142409 | GEN-1Y1 | Human mRNA for hepatocyte growth factor (HGF) | 5740 | 5606T>A | 3 |
| HSD17B3 | U05659 | 264300 | GEN-186 | Human 17beta-hydroxysteroid dehydrogenase type 3 mRNA, complete cds | 894 | 846G>C | S |
| IGFBP4 | M62403 | 146733 | GEN-3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 859 | 776G>A | S |

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| IGFBP4 | M62403 | 146733 | GEN-3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1403 | 1320G>T | 3 |
| IGFBP4 | M62403 | 146733 | GEN-3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1443 | 1360G>A | 3 |
| IGFBP4 | M62403 | 146733 | GEN-3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1446 | 1363G>A | 3 |
| IGFBP4 | M62403 | 146733 | GEN-3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1485 | 1402A>T | 3 |
| IGFBP6 | M69054 | 146735 | GEN-3J0 | Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide | 751 | 751A>C | 3 |
| IGFBP6 | M69054 | 146735 | GEN-3J0 | Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide | 835 | 835A>C | 3 |
| IGFBP6 | M69054 | 146735 | GEN-3J0 | Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide | 850 | 850G>A | 3 |
| ITGA5 | X06256 | 135620 | GEN-19B | Human mRNA for fibronectin receptor alpha subunit | 2562 | 2539C>A | L847I |
| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 17 | (-9)G>A | 5 |
| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 155 | 130C>A | P44T |
| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 331 | 306C>A | F |
| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 435 | 410A>C | D137A |

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| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 475 | 450C>T | S |
| J00117 | J00117 | 118860 | GEN-2H | CHORIOGONADOTROPI N BETA CHAIN PRECURSOR | 517 | 492A>C | S |
| J00123 | J00123 | 131330 | GEN- MK4 | Human enkephalin gene | 81 | 81C>T | S |
| J00277 | J00277 | 190020 | GEN- MH8 | Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence | 81 | 81T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 1931 | 1853T>C | V618A |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 6616 | 6538C>T | F |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 7014 | 6936T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 7623 | 7545T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 8294 | 8216C>T | P2739L |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 8625 | 8547T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 10033 | 9955G>C | D3319H |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 10358 | 10280C>A | T3427K |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 10372 | 10294C>G | Q3432E |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11273 | 11195T>C | I3732T |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11705 | 11627C>T | A3876V |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11862 | 11784T>A | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11923 | 11845T>C | F3949L |

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| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12461 | 12383A>T | E4128V |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12476 | 12398G>C | G4133A |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12486 | 12408G>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12619 | 12541G>A | E4181K |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 676 | 615T>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 683 | 622T>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 701 | 640C>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 745 | 684A>G | 3 |
| J03209 | J03209 | 185250 | GEN-PK | Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds | 133 | 133G>A | E45K |
| J03209 | J03209 | 185250 | GEN-PK | Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds | 288 | 288C>T | S |
| J03210 | J03210 | 120360 | GEN-ZY | Human collagenase type IV mRNA, 3 end | 721 | 721C>T | P241S |
| J03210 | J03210 | 120360 | GEN-ZY | Human collagenase type IV mRNA, 3 end | 1759 | 1759C>T | P587S |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 932 | 380G>A | R127H |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1063 | 511G>A | A171T |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1190 | 638C>G | 3 |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1201 | 649C>T | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 172 | 57C>T | S |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 559 | 444C>T | S |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 1704 | 1589C>A | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 1833 | 1718C>G | 3 |

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| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 1858 | 1743G>T | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 1959 | 1844A>C | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 2190 | 2075delT | F |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 3301 | 3186C>A | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 3991 | 3876A>G | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 4187 | 4072G>A | 3 |
| J03258 | J03258 | 601769 | GEN-2J | Vitamin D (1,25-dihydroxyvitamin D3) receptor | 4187 | 4072G>A | 3 |
| J03490 | J03490 | 246900 | GEN-C5 | Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) | 1569 | 1493A>C | N498T |
| J03490 | J03490 | 246900 | GEN-C5 | Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) | 1624 | 1548T>A | 3 |
| J03490 | J03490 | 246900 | GEN-C5 | Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex) | 1813 | 1737A>G | 3 |

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| J03490 | J03490 | 246900 | GEN-C5 | branched chain keto acid dehydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) | 2096 | 2020T>C | 3 |
| J03548 | J03548 | 103260 | GEN- 11M | Human adrenodoxin mRNA, complete cds | 1099 | 967G>A | 3 |
| J03548 | J03548 | 103260 | GEN- 11M | Human adrenodoxin mRNA, complete cds | 1123 | 991T>C | 3 |
| J03548 | J03548 | 103260 | GEN- 11M | Human adrenodoxin mRNA, complete cds | 1222 | 1090G>C | 3 |
| J03548 | J03548 | 103260 | GEN- 11M | Human adrenodoxin mRNA, complete cds | 1254 | 1122G>A | 3 |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 501 | 479A>G | N160S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 604 | 582C>T | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 803 | 781G>T | A261S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1042 | 1020C>T | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1535 | 1513- 1515CCT>CC T | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1535 | 1513- [P505V;50 1515delCCT 6-505del] | |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1797 | 1775A>G | D592G |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2215 | 2193G>A | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2350 | 2328A>G | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2505 | 2483T>C | M828T |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 3409 | 3387T>C | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 3409 | 3387T>C | S |

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|--------|--------|--------|---------|--|------|---------|------|
| J05070 | J05070 | 120361 | GEN-16U | enzyme (ACE) Human type IV collagenase mRNA, complete cds | 1840 | 1821A>C | S |
| J05070 | J05070 | 120361 | GEN-16U | Human type IV collagenase mRNA, complete cds | 2101 | 2082G>A | S |
| J05070 | J05070 | 120361 | GEN-16U | Human type IV collagenase mRNA, complete cds | 2146 | 2127C>T | 3 |
| J05070 | J05070 | 120361 | GEN-16U | Human type IV collagenase mRNA, complete cds | 2288 | 2269T>C | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3 end | 2314 | 2314C>T | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3 end | 2316 | 2316G>T | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3 end | 2332 | 2332G>T | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3 end | 2541 | 2541G>A | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3 end | 2651 | 2651C>T | 3 |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 112 | 52G>A | A18T |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 121 | 61G>A | E21K |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 151 | 91G>A | E31K |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 197 | 137T>C | L46P |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 204 | 144delG | F |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 238 | 178A>G | T60A |

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| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 365 | 305C>G | P102R |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 409 | 349G>A | A117T |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 448 | 388T>C | C130R |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 494 | 434G>A | G145D |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 515 | 455G>A | R152Q |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 520 | 460C>A | R154S |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 538 | 478C>T | R160C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 547 | 487C>T | R163C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 548 | 488G>A | R163H |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 550 | 490A>G | K164E |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 586 | 526C>T | R176C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 586 | 526C>T | R176C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 743 | 683G>A | F |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 785 | 725G>A | R242Q |

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|--------|--------|--------|-------------|---|------|----------|-------|
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 796 | 736C>T | R246C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 821 | 761T>A | V254E |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 865 | 805C>G | R269G |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 935 | 875G>A | R292H |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA | 1000 | 940A>C | S314R |
| K01911 | K01911 | 162640 | GEN-2O | Neuropeptide Y mRNA | 236 | 150G>A | S |
| K01911 | K01911 | 162640 | GEN-2O | Neuropeptide Y | 290 | 204C>T | S |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 19 | (-68)A>C | S |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 26 | (-61)A>C | S |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 48 | (-39)C>T | S |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 114 | 28G>A | E10K |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 119 | 33G>A | M11I |
| K03195 | K03195 | 138140 | GEN-ZT | Human (HepG2) glucose transporter gene mRNA, complete cds | 1484 | 1305C>T | S |
| K03195 | K03195 | 138140 | GEN-ZT | Human (HepG2) glucose transporter gene mRNA, complete cds | 2120 | 1941G>C | 3 |
| KDR | X61656 | 191306 | GEN- 3BZ | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2308 | 2308A>G | T770A |
| KDR | X61656 | 191306 | GEN- 3BZ | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2353 | 2353G>C | G785R |
| KDR | X61656 | 191306 | GEN- 3BZ | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2499 | 2499C>G | N833K |
| KDR | X61656 | 191306 | GEN- 3BZ | H.sapiens mRNA for growth factor receptor tyrosine kinase | 2537 | 2537A>T | E846V |

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|--------|--------|--------|---------|---|------|---------|---|
| KDR | X61656 | 191306 | GEN-3BZ | tyrosine kinase H.sapiens mRNA for growth factor receptor | 4123 | 4123G>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | tyrosine kinase Human low density lipoprotein receptor gene, exon 18 | 71 | 72C>T | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 103 | 104G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 716 | 717C>T | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 881 | 882G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1180 | 1181A>G | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1186 | 1187C>G | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1187 | 1188T>G | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1191 | 1192G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1222 | 1223G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1223 | 1224C>T | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1224 | 1225G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1227 | 1228T>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1234 | 1235T>C | 3 |

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| L00352 | L00352 | 143890 | 2S8 | lipoprotein receptor gene, exon 18 | 1252 | 1253A>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1268 | 1269A>C | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1268 | 1269A>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1279 | 1280C>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1280 | 1281G>A | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1308 | 1309C>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1309 | 1310G>A | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1316 | 1317G>A | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1320 | 1321T>C | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1345 | 1346G>A | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1368 | 1369T>C | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1376 | 1377C>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1383 | 1384C>T | 3 |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | | | |

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|--------|--------|--------|---------|--|------|---------|---|
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1406 | 1407T>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1418 | 1419G>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1428 | 1429T>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1453 | 1454C>T | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1796 | 1797T>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 2108 | 2109G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 2490 | 2491A>C | 3 |
| L02932 | L02932 | 170998 | GEN-KW4 | Human peroxisome proliferator activated receptor mRNA, complete cds | 648 | 432G>A | S |
| L07592 | L07592 | 600409 | GEN-1E7 | Human peroxisome proliferator activated receptor mRNA, complete cds | 3119 | 2782C>G | 3 |
| L13286 | L13286 | 600125 | GEN-1O3 | Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds | 2031 | 1638G>A | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1410 | 1411T>A | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1646 | 1647C>G | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1650 | 1651G>C | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1677 | 1678C>G | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 2222 | 2223C>T | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 2444 | 2445C>T | 3 |
| L13858 | L13858 | 182530 | GEN- | Human guanine nucleotide | 423 | 423T>C | S |

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|--------|--------|--------|---------|---|------|----------|-------|
| L13858 | L13858 | 182530 | 1PL | exchange factor mRNA, complete cds | 3957 | 3957G>A | S |
| L17075 | L17075 | 601284 | GEN-1PL | Human guanine nucleotide exchange factor mRNA, complete cds | 838 | 747G>A | S |
| L19182 | L19182 | 602867 | GEN-1ZQ | Human TGF- β superfamily receptor type I mRNA, complete cds | 297 | 284G>A | R95K |
| L20859 | L20859 | 137570 | GEN-21Z | Human MAC25 mRNA, complete cds | 3141 | 2771A>G | 3 |
| L26232 | L26232 | 172425 | GEN-23V | Human leukemia virus receptor 1 (GLVR1) mRNA, complete cds | 906 | 819C>T | S |
| L26232 | L26232 | 172425 | GEN-2AK | Human phospholipid transfer protein mRNA, complete cds | 1547 | 1460C>A | T487K |
| L27080 | L27080 | None | GEN-4G2 | Human melanocortin 5 receptor (MC5R) gene, complete cds | 146 | (-38)A>C | 5 |
| L27080 | L27080 | None | GEN-4G2 | Human melanocortin 5 receptor (MC5R) gene, complete cds | 927 | 744C>T | S |
| L40992 | L40992 | 600211 | GEN-2SO | Homo sapiens (clone PEBP2aA1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA, 3' end of cds | 265 | 265G>A | V89I |
| L78207 | L78207 | 600509 | GEN-5Q | Cell surface receptor for sulfonylureas on pancreatic b cells | 4019 | 3981A>G | S |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 446 | 253A>G | T85A |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 519 | 326A>G | K109R |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 861 | 668A>G | Q223R |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 1222 | 1029T>C | S |

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| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 2161 | 1988G>C | K656N |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 2174 | 1981A>C | T661P |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 2764 | 2571T>G | S |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 3151 | 2958C>T | S |
| LEPR | U43168 | 601007 | GEN-2UN | Human leptin receptor (Ob-r) mRNA, complete cds | 3250 | 3057G>A | S |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 191 | 46A>C | T16P |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 212 | 67G>A | G23R |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 967 | 822G>A | M274I |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 1531 | 1386C>T | 3 |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 2254 | 2109A>T | 3 |
| LIPA | X76488 | 278000 | GEN-3P2 | H.sapiens mRNA for lysosomal acid lipase | 2439 | 2294C>T | 3 |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 469 | 465T>G | S |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 595 | 591A>G | S |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 648 | 644G>A | S215N |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 817 | 813C>T | S |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 1441 | 1437C>A | S |
| LRP1 | D90070 | 107770 | GEN-466 | Human ATL-derived PMA-responsive (APR) peptide mRNA | 686 | 513T>G | 3 |
| LRPAP1 | M63959 | 104225 | GEN-3EI | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 850 | 837G>A | S |
| LRPAP1 | M63959 | 104225 | GEN-3EI | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1093 | 1080C>T | 3 |

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|--------|--------|--------|-------------|---|------|--------------------|-------|
| LRPAP1 | M63959 | 104225 | GEN-3EI | associated protein mRNA, complete cds | 1175 | 1162G>A | 3 |
| | | | | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | | | |
| LRPAP1 | M63959 | 104225 | GEN-3EI | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | 1249 | 1236C>T | 3 |
| | | | | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | | | |
| LRPAP1 | M63959 | 104225 | GEN-3EI | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | 1249 | 1236C>T | 3 |
| | | | | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | | | |
| LRPAP1 | M63959 | 104225 | GEN-3EI | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | 1392 | 1379T>G | 3 |
| | | | | Human alpha-2- macroglobulin receptor- associated protein mRNA, complete cds | | | |
| M10051 | M10051 | 147670 | GEN-2V | Insulin receptor | 2757 | 2619G>A | S |
| M10051 | M10051 | 147670 | GEN-2V | Insulin receptor | 4391 | 4253G>A | 3 |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 1220 | 1088A>G | N363S |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2024 | 1892- 1893AG>AG | S |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2024 | 1892- 1893delAG | F |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2054 | 1922A>T | D641V |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2372 | 2240T>G | I747S |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2391 | 2259A>C | L753F |
| M10901 | M10901 | 138040 | GEN-2W | Corticosteroid nuclear receptor b | 2391 | 2259A>T | L753F |
| M11050 | M11050 | 138040 | GEN-7Y | Glucocorticoid receptor | 2166 | 2034C>T | S |
| M11050 | M11050 | 138040 | GEN-7Y | Glucocorticoid receptor | 3353 | 3221T>G | 3 |
| M11050 | M11050 | 138040 | GEN-7Y | Glucocorticoid receptor | 3398 | 3266T>G | 3 |
| M11717 | M11717 | 140550 | GEN- MF3 | Human heat shock protein (hsp 70) gene, complete cds | 54 | (-162)G>A | 5 |

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|--------|--------|--------|---------|--|------|----------|-------|
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 190 | (-26)C>G | 5 |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 320 | 105C>T | S |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 390 | 175G>A | V59M |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 431 | 216C>G | S |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 545 | 330G>C | E110D |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 1907 | 1692C>G | S |
| M11717 | M11717 | 140550 | GEN-MF3 | Human heat shock protein (hsp 70) gene, complete cds | 2319 | 2104A>G | 3 |
| M12578 | M12578 | 152760 | GEN-2Y | Gonadotropin-releasing hormone (leutinizing-releasing hormone) | 79 | 47G>C | W16S |
| M12674 | M12674 | 133430 | GEN-7Z | Estrogen receptor | 1267 | 975C>G | S |
| M13509 | M13509 | 120353 | GEN-QJ | Human skin collagenase mRNA, complete cds | 383 | 315A>G | S |
| M13509 | M13509 | 120353 | GEN-QJ | Human skin collagenase mRNA, complete cds | 899 | 831G>A | S |
| M13509 | M13509 | 120353 | GEN-QJ | Human skin collagenase mRNA, complete cds | 1522 | 1454A>G | 3 |
| M13509 | M13509 | 120353 | GEN-QJ | Human skin collagenase mRNA, complete cds | 1747 | 1679C>T | 3 |
| M14221 | M14221 | 161565 | GEN-QM | Human cathepsin B proteinase mRNA, complete cds | 184 | (-11)T>C | 5 |
| M14221 | M14221 | 161565 | GEN-QM | Human cathepsin B proteinase mRNA, complete cds | 270 | 76G>C | V26L |
| M14221 | M14221 | 161565 | GEN-QM | Human cathepsin B proteinase mRNA, complete cds | 446 | 252C>T | S |

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|--------|--------|--------|--------|---|------|---------|-------|
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1254 | 1060C>G | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1306 | 1112G>A | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1336 | 1142T>A | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1338 | 1144C>T | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1451 | 1257G>A | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1462 | 1268C>T | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1522 | 1328G>C | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1557 | 1363G>C | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1585 | 1391C>A | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1630 | 1436T>C | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1668 | 1474T>G | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1712 | 1518C>G | 3 |
| M14221 | M14221 | 161565 | GEN-QM | complete cds Human cathepsin B proteinase mRNA, | 1898 | 1704A>G | 3 |
| M14565 | M14565 | 118485 | GEN-30 | complete cds Cytochrome P450, | 947 | 903G>C | M3011 |

| subfamily X1A (cholesterol side chain cleavage) | | | | | | |
|---|--------|--------|--------|---------------------------|----------------|-------|
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 466 (-1122)C>G | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 565 (-1023)G>A | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1182 (-406)C>T | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1221 (-367)C>T | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1326 (-262)G>A | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1541 (-47)C>T | 5 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1633 46A>G | R16G |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1633 46A>G | R16G |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1666 79C>G | Q27E |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1666 79C>G | Q27E |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1666 79C>G | Q27E |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1687 100G>A | V34M |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 1839 252G>A | S |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2110 523C>A | S |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2640 1053G>C | S |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2826 1239G>A | S |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2862 1275C>G | 3 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2864 1277C>A | 3 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 2865 1278C>A | 3 |
| M15169 | M15169 | 109890 | GEN-T | Beta2 Adrenergic Receptor | 3371 1784A>T | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 136 (-39)T>C | 5 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 280 106G>A | D36N |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 438 264T>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 447 273G>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 474 300C>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 480 308A>C | R102S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 511 337T>C | W113R |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 571 397C>T | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 680 506G>A | G169E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 722 548A>G | D183G |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 770 596C>G | S199C |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 781 607G>A | A203T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 795 621C>G | D207E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 818 644G>A | G215E |

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|--------|--------|--------|---------|--|------|----------|-------|
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 836 | 662T>C | I221T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 839 | 665G>A | G222E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 843 | 689C>T | S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 867 | 693C>G | D231E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 875 | 701C>T | P234L |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 916 | 742delG | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 983 | 809G>A | R270H |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 985 | 811T>A | S271T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1003 | 829G>A | D277N |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1127 | 953A>G | N318S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1255 | 1081G>A | A361T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1348 | 1174C>G | L392V |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1401 | 1227G>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1508 | 1334G>A | C445Y |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1553 | 1379C>T | A460V |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1595 | 1421C>G | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1611 | 1437G>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1973 | 1799T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2428 | 2254T>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2743 | 2569T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2851 | 2677A>G | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2851 | 2677A>G | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2958 | 2784G>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3017 | 2843T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3272 | 3098T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3272 | 3098T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3343 | 3169T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3447 | 3273C>T | 3 |
| M16660 | M16660 | 140571 | GEN-1YC | Human 90-kDa heat-shock protein gene, cDNA, complete cds | 825 | 741G>A | S |
| M16660 | M16660 | 140571 | GEN-1YC | Human 90-kDa heat-shock protein gene, cDNA, complete cds | 825 | 741G>A | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 175 | (-42)C>G | 5 |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor | 754 | 538A>G | I180V |

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|--------|--------|--------|---------|---|------|----------|-------|
| M16801 | M16801 | 600983 | GEN-36 | (aldosterone receptor) | 938 | 722C>T | A241V |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1221 | 1005delC | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1591 | 1375delT | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1713 | 1497C>T | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1825 | 1609C>T | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 2438 | 2222T>G | V741G |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 2730 | 2514G>A | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 5243 | 5027T>A | 3 |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 5645 | 5429G>A | 3 |
| M16827 | M16827 | 201450 | GEN-EI | Mineralocorticoid receptor (aldosterone receptor) Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain | 1956 | 1938T>C | 3 |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 995 | 633G>A | S |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 1385 | 1023T>C | S |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 1786 | 1424G>A | G475E |
| M20566 | M20566 | 147880 | GEN-3A | Interleukin 6A | 3058 | 2621A>T | 3 |
| M20681 | M20681 | 138170 | GEN-23O | Human glucose transporter-like protein-III (GLUT3), complete cds | 1550 | 1308C>T | S |
| M20681 | M20681 | 138170 | GEN-23O | Human glucose transporter-like protein-III (GLUT3), complete cds | 3179 | 2937T>C | 3 |
| M20681 | M20681 | 138170 | GEN-23O | Human glucose transporter-like protein-III (GLUT3), complete cds | 3238 | 2996C>T | 3 |

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| M20681 | M20681 | 138170 | GEN-230 | Human glucose transporter-like protein-III (GLUT3), complete cds | 3356 | 3114T>C | 3 |
| M20681 | M20681 | 138170 | GEN-230 | Human glucose transporter-like protein-III (GLUT3), complete cds | 3378 | 3136T>C | 3 |
| M20681 | M20681 | 138170 | GEN-230 | Human glucose transporter-like protein-III (GLUT3), complete cds | 3524 | 3282C>A | 3 |
| M20681 | M20681 | 138170 | GEN-230 | Human glucose transporter-like protein-III (GLUT3), complete cds | 3572 | 3330G>T | 3 |
| M23725 | M23725 | 179050 | GEN-ES | Human glucose transporter-like protein-III (GLUT3), complete cds | 547 | 438C>T | S |
| M23725 | M23725 | 179050 | GEN-ES | Pyruvate kinase, muscle | 850 | 741G>A | S |
| M23725 | M23725 | 179050 | GEN-ES | Pyruvate kinase, muscle | 1259 | 1150G>A | E384K |
| M24857 | M24857 | 180190 | GEN-80 | Pyruvate kinase, muscle | 1694 | 1280C>T | S427L |
| M26393 | M26393 | 201470 | GEN-EW | Retinoic acid receptor, gamma 1 | 1797 | 1765A>G | 3 |
| M27137 | M27137 | 109715 | GEN-5W | Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain | 1103 | 1100C>A | T367N |
| M27492 | M27492 | 147810 | GEN-3F | 3beta hydroxysteroid dehydrogenase | 4686 | 4604T>G | 3 |
| M27875 | M27875 | 107680 | GEN-2CK | INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR | 34 | 15G>C | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I mRNA, complete cds | 202 | 183C>T | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I mRNA, complete cds | 204 | 185T>G | L62W |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I mRNA, complete cds | 255 | 236C>T | S79F |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I mRNA, complete cds | 689 | 670C>T | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I mRNA, complete cds | 824 | 805G>A | 3 |
| M28614 | M28614 | 107720 | GEN-6Q | Human apolipoprotein A-I mRNA, complete cds | 370 | 340C>G | 3 |
| M28614 | M28614 | 107720 | GEN-6Q | Apolipoprotein C-III | 401 | 371T>G | 3 |
| M28614 | M28614 | 107720 | GEN-6Q | Apolipoprotein C-III | 479 | 449T>A | 3 |

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|--------|--------|--------|--------|---|-----|--------|------|
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 26 | 17C>A | A6E |
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 183 | 174G>A | S |
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 192 | 183C>A | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 178 | 79C>T | P27S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 178 | 79C>T | P27S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 203 | 104C>G | A35G |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 203 | 104C>G | A35G |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 210 | 111G>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 210 | 111G>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 327 | 228C>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 327 | 228C>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 553 | 454T>C | F |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 553 | 454T>C | F |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 626 | 527G>T | 3 |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 626 | 527G>T | 3 |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 640 | 541T>C | 3 |

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|--------|--------|--------|-------------|--|------|---------|-------|
| M30262 | M30262 | 600295 | GEN-WA | ANF) mRNA, complete cds Human cardiolipin-atrial natriuretic factor (CDD- ANF) mRNA, complete cds | 640 | 541T>C | 3 |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 923 | 759A>G | 1253M |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 1048 | 884T>C | 3 |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 1260 | 1096C>G | 3 |
| M31159 | M31159 | 146732 | GEN- 2GD | Human growth hormone- dependent insulin-like growth factor-binding protein mRNA, complete cds | 204 | 95G>C | G32A |
| M31159 | M31159 | 146732 | GEN- 2GD | Human growth hormone- dependent insulin-like growth factor-binding protein mRNA, complete cds | 2178 | 2069A>T | 3 |
| M31328 | M31328 | 139130 | GEN-7G | Guanine nucleotide binding protein (G protein), beta polypeptide 3 | 1049 | 1043G>A | 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase 1 | 1271 | 1241C>T | 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase 1 | 1344 | 1314G>A | 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase 1 | 1489 | 1459G>A | 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase 1 | 1780 | 1750T>C | 3 |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 109 | 109G>A | D37N |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 438 | 438A>G | S |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 1172 | 1172A>C | 3 |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 1179 | 1179C>T | 3 |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 1323 | 1323C>A | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 1376 | 1376G>C | 3 |
| M34479 | M34479 | 179060 | GEN-F9 | Pyruvate dehydrogenase (lipoamide) beta | 1433 | 1433C>T | 3 |
| M34720 | M34720 | 103880 | GEN-RH | aldose reductase | 676 | 663C>A | S |
| M34720 | M34720 | 103880 | GEN-RH | aldose reductase | 1176 | 1163C>A | 3 |
| M37825 | M37825 | 165190 | GEN-2OM | Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds | 787 | 648T>G | S |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 711 | 519T>C | S |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 936 | 744G>T | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 1270 | 1078T>C | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 3268 | 3076T>G | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4529 | 4337A>C | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4555 | 4363A>G | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4672 | 4480A>C | 3 |
| M55531 | M55531 | 138230 | GEN-FF | Solute carrier family 2 (facilitated glucose transporter), member 5 | 1208 | 1133T>G | V378G |
| M55531 | M55531 | 138230 | GEN-FF | Solute carrier family 2 (facilitated glucose transporter), member 5 | 1975 | 1900C>T | 3 |
| M55531 | M55531 | 138230 | GEN-FF | Solute carrier family 2 (facilitated glucose transporter), member 5 | 1985 | 1910A>G | 3 |
| M57899 | M57899 | 191740 | GEN-38A | Human bilirubin UDP-glucuronosyltransferase | 1828 | 1813C>T | 3 |

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|--------|--------|--------|---------|---|------|----------------------|-------|
| M57899 | M57899 | 191740 | GEN-38A | isozyme 1 mRNA, complete cds | 1956 | 1941C>G | 3 |
| | | | | Human bilirubin UDP-glucuronosyltransferase | | | |
| M57899 | M57899 | 191740 | GEN-38A | isozyme 1 mRNA, complete cds | 2057 | 2042C>G | 3 |
| | | | | Human bilirubin UDP-glucuronosyltransferase | | | |
| M59305 | M59305 | 108962 | GEN-39P | isozyme 1 mRNA, complete cds | 160 | (-203)-(-199)delTTTT | F |
| | | | | Human atrial natriuretic peptide clearance receptor (ANP C-receptor) mRNA, complete cds | | | |
| M59830 | M59830 | 603012 | GEN-MSB | Human MHC class III HSP70-2 gene (HLA), complete cds | 1860 | 1860C>G | S |
| M61906 | M61906 | 171833 | GEN-RV | Human P13-kinase associated p85 mRNA sequence | 3112 | 3113A>G | 3 |
| M62782 | M62782 | 146734 | GEN-3CU | Homo sapiens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds | 908 | 852C>T | 3 |
| M63960 | M63960 | 176875 | GEN-FT | Protein phosphatase 1, catalytic subunit, alpha isoform | 1087 | 1058G>T | 3 |
| M63960 | M63960 | 176875 | GEN-FT | Protein phosphatase 1, catalytic subunit, alpha isoform | 1292 | 1263G>A | 3 |
| M64590 | M64590 | 238300 | GEN-FU | Glycine cleavage system: Protein P | 3076 | 2926A>G | M976V |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 199 | 200C>G | 3 |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 777 | 778G>A | 3 |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 1215 | 1216A>G | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 273 | 131C>G | P44R |
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 595 | 453C>G | S |
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 1255 | 1113A>G | 3 |
| M68867 | M68867 | 180231 | GEN-S1 | Human cellular retinoic acid-binding protein II (CRABP) mRNA, complete cds | 604 | 506C>A | 3 |
| M82962 | M82962 | 600388 | GEN-3XC | Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds | 2316 | 2307T>G | 3 |
| M82962 | M82962 | 600388 | GEN-3XC | Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds | 2428 | 2419A>C | 3 |
| M83667 | M83667 | 116898 | GEN-3YG | Human NF-IL6-beta protein mRNA, complete cds | 574 | 486G>T | E162D |
| M83667 | M83667 | 116898 | GEN-3YG | Human NF-IL6-beta protein mRNA, complete cds | 578 | 490C>T | P164S |
| M83667 | M83667 | 116898 | GEN-3YG | Human NF-IL6-beta protein mRNA, complete cds | 581 | 493C>T | R165C |
| M83667 | M83667 | 116898 | GEN-3YG | Human NF-IL6-beta protein mRNA, complete cds | 974 | 886C>G | 3 |
| M84755 | M84755 | 162641 | GEN-46 | Neuropeptide Y1 | 1121 | 1121A>C | K374T |
| M86553 | M86553 | 116845 | GEN-416 | Human cathepsin S mRNA, complete cds | 26 | 20T>C | V7A |
| M86553 | M86553 | 116845 | GEN-416 | Human cathepsin S mRNA, complete cds | 487 | 481A>T | T161S |
| M86553 | M86553 | 116845 | GEN-416 | Human cathepsin S mRNA, complete cds | 705 | 699G>C | S |

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|--------|--------|--------|---------|---|------|----------|-------|
| M86553 | M86553 | 116845 | GEN-416 | mRNA, complete cds | 1149 | 1143T>G | 3 |
| | | | | Human cathepsin S | | | |
| M87290 | M87290 | 106165 | GEN-19 | mRNA, complete cds | 296 | 16T>C | S6P |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 413 | 133G>A | G45R |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 853 | 573T>C | S |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 853 | 573T>C | S |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1342 | 1062A>G | S |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1342 | 1062A>G | S |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1430 | 1150T>G | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1446 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1446 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1446 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1453 | 1173A>G | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1677 | 1397G>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1797 | 1517G>T | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1885 | 1605C>T | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 1916 | 1636T>C | 3 |
| M87290 | M87290 | 106165 | GEN-19 | Angiotensin receptor AT1 | 2158 | 1878A>G | 3 |
| M90516 | M90516 | 138292 | GEN-GI | Glutamine-fructose-6-phosphate transaminase | 2968 | 2846T>G | 3 |
| | | | | Human activin type II receptor mRNA, complete cds | 136 | (-38)G>T | 5 |
| M93415 | M93415 | 102581 | GEN-48S | | | | |
| MC1R | X67594 | 155555 | GEN-4G4 | H.sapiens mRNA for MSH receptor | 346 | 178G>T | V60L |
| MC1R | X67594 | 155555 | GEN-4G4 | H.sapiens mRNA for MSH receptor | 656 | 488A>G | Q163R |
| MC1R | X67594 | 155555 | GEN-4G4 | H.sapiens mRNA for MSH receptor | 1068 | 900C>T | S |
| MC1R | X67594 | 155555 | GEN-4G4 | H.sapiens mRNA for MSH receptor | 1110 | 942A>G | S |
| MC1R | X67594 | 155555 | GEN-4G4 | H.sapiens mRNA for MSH receptor | 1134 | 966G>A | 3 |
| MET | M35074 | 164860 | GEN-2LU | Human met oncogene mRNA, 3' end | 60 | 60C>T | S |
| MET | M35074 | 164860 | GEN-2LU | Human met oncogene mRNA, 3' end | 294 | 294G>A | S |

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|-------|--------|--------|---------|--|------|---------|-------|
| MGP | M58549 | 154870 | GEN-38Y | Human matrix Gla protein (MGP) mRNA, complete cds | 330 | 304A>G | T102A |
| MMP12 | L23808 | 601046 | GEN-27J | Human metalloproteinase (HME) mRNA, complete cds | 1082 | 1070A>G | N357S |
| MMP2 | D85510 | 602261 | GEN-40A | Homo sapiens mRNA for SMCP-2, partial cds | 2389 | 2389G>C | 3 |
| MPV17 | X76538 | 600945 | GEN-3P6 | H.sapiens Mpv17 mRNA | 575 | 548C>T | 3 |
| MTP | X75500 | 157147 | GEN-307 | H.sapiens mRNA for microsomal triglyceride transfer protein | 1847 | 1823T>G | F608C |
| MTP | X75500 | 157147 | GEN-307 | H.sapiens mRNA for microsomal triglyceride transfer protein | 3231 | 3207G>A | 3 |
| NGFB | X52599 | 162030 | GEN-33V | Human mRNA for beta nerve growth factor | 832 | 663G>A | S |
| NGFR | M14764 | 162010 | GEN-1S8 | Human nerve growth factor receptor mRNA, complete cds | 2716 | 2603C>T | 3 |
| NGFR | M14764 | 162010 | GEN-1S8 | Human nerve growth factor receptor mRNA, complete cds | 2729 | 2616C>T | 3 |
| NGFR | M14764 | 162010 | GEN-1S8 | Human nerve growth factor receptor mRNA, complete cds | 2912 | 2799G>A | 3 |
| NGFR | M14764 | 162010 | GEN-1S8 | Human nerve growth factor receptor mRNA, complete cds | 3252 | 3139C>G | 3 |
| NOS1 | U17327 | 163731 | GEN-209 | Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds | 3391 | 2706C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1380 | 1155C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1380 | 1155C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1503 | 1278C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1503 | 1278C>T | S |

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|-------|--------|--------|---------|--|------|-----------|-------|
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2048 | 1823C>T | S608L |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2048 | 1823C>T | S608L |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2287 | 2062G>A | G688S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2287 | 2062G>A | G688S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2339 | 2114A>G | D705G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2339 | 2114A>G | D705G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2583 | 2358T>C | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2583 | 2358T>C | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2982 | 2757A>G | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2982 | 2757A>G | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3022 | 2797C>G | R933G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3022 | 2797C>G | R933G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3051 | 2826C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3051 | 2826C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3693 | 3468T>C | 3 |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3693 | 3468T>C | 3 |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3715 | 3490G>A | 3 |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3715 | 3490G>A | 3 |
| NRAS | X02751 | 164790 | GEN-XG | Human N-ras mRNA and flanking regions | 221 | (-506)A>G | 5 |
| NRAS | X02751 | 164790 | GEN-XG | Human N-ras mRNA and flanking regions | 390 | (-337)C>A | 5 |
| NTRK1 | X66397 | 191315 | GEN- | H.sapiens tpr mRNA | 2632 | 2335G>A | V779I |

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|-------|--------|--------|----------------|--|------|-----------|-------|
| NTRK3 | U05012 | 191316 | 3GN GEN-16V | Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds | 364 | 209G>A | S70N |
| NTRK3 | U05012 | 191316 | GEN-16V | Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds | 728 | 573C>T | S |
| NTRK3 | U05012 | 191316 | GEN-16V | Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds | 1613 | 1458C>T | S |
| NTRK3 | U05012 | 191316 | GEN-16V | Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds | 1643 | 1488G>C | S |
| OSBP | M86917 | 167040 | GEN-425 | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 216 | (-265)T>G | 5 |
| OSBP | M86917 | 167040 | GEN-425 | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 802 | 322C>T | F |
| OSBP | M86917 | 167040 | GEN-425 | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 888 | 408C>T | S |
| OSBP | M86917 | 167040 | GEN-425 | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 934 | 454T>G | S152A |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 399 | 183C>T | S |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 1692 | 1476C>T | S |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 2067 | 1851C>G | S |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 2725 | 2509T>C | 3 |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 2855 | 2639C>A | 3 |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 2988 | 2772G>A | 3 |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 3234 | 3018C>T | 3 |
| PACE | X17094 | 136950 | GEN-12V | Human fur mRNA for furin | 3625 | 3409A>G | 3 |

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|-------|--------|--------|---------|---|------|---------|-------|
| PACE | X17094 | 136950 | GEN-1ZV | Human fur mRNA for furin | 3883 | 3667C>T | 3 |
| PACE | X17094 | 136950 | GEN-1ZV | Human fur mRNA for furin | 4053 | 3837A>G | 3 |
| PAM | M37721 | 170270 | GEN-2OK | Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds | 3183 | 2995T>A | 3 |
| PAM | M37721 | 170270 | GEN-2OK | Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds | 3530 | 3342A>G | 3 |
| PAX8 | M77844 | 106210 | GEN-3QG | H. sapiens oculoribin (aniridia) mRNA, complete cds | 669 | 307C>T | F |
| PC | U04641 | 266150 | GEN-150 | Human pyruvate carboxylase (PC) mRNA, complete cds | 1391 | 1353C>T | S |
| PC | U04641 | 266150 | GEN-150 | Human pyruvate carboxylase (PC) mRNA, complete cds | 2219 | 2181C>T | S |
| PC | U04641 | 266150 | GEN-150 | Human pyruvate carboxylase (PC) mRNA, complete cds | 2912 | 2874G>T | S |
| PC | U04641 | 266150 | GEN-150 | Human pyruvate carboxylase (PC) mRNA, complete cds | 3897 | 3859C>T | 3 |
| PCK1 | L05144 | 261680 | GEN-172 | Homo sapiens (clone lamda-hPEC-3) phosphoenolpyruvate carboxykinase (PCK1) mRNA, complete cds | 1223 | 1102G>A | V368I |
| PDHA1 | X52709 | 312170 | GEN-33Y | Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1) | 849 | 795A>G | S |
| PDHA1 | X52709 | 312170 | GEN-33Y | Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1) | 1337 | 1283C>T | 3 |
| PDHA1 | X52709 | 312170 | GEN-33Y | Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1) | 1416 | 1362G>A | 3 |

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| PEDF | M90439 | 172860 | GEN-46E | Human molecular marker (EPC-1) gene, complete cds | 40 | 2T>C | F |
| PEDF | M90439 | 172860 | GEN-46E | Human molecular marker (EPC-1) gene, complete cds | 215 | 177T>C | S |
| PEDF | M90439 | 172860 | GEN-46E | Human molecular marker (EPC-1) gene, complete cds | 788 | 750C>T | S |
| PEDF | M90439 | 172860 | GEN-46E | Human molecular marker (EPC-1) gene, complete cds | 900 | 862C>G | R288G |
| PEDF | M90439 | 172860 | GEN-46E | Human molecular marker (EPC-1) gene, complete cds | 952 | 914G>T | G305V |
| PHKG2 | M31606 | 172471 | GEN-2H7 | Human phosphorylase kinase (PSK-C3) mRNA, complete cds | 1155 | 1062C>G | S |
| PNLIP | M93285 | 246600 | GEN-48N | Pancreatic lipase (PNLIP) (Dietary supplement) | 646 | 646G>T | V216L |
| POMC | M28636 | 176830 | GEN-2DG | Adrenocorticotrophic hormone (ACTH) | 92 | 92C>T | 3 |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 390 | 390T>C | S |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1051 | 1051T>G | L351V |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1125 | 1125C>T | S |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1363 | 1363G>A | V455M |
| PTHLH | J03580 | 168470 | GEN-11U | Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds | 975 | 37G>A | V13M |
| PTHLH | J03580 | 168470 | GEN-11U | Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds | 996 | 58G>A | V20M |
| PTPRF | Y00815 | 179590 | GEN-UH | Human mRNA for LCA- | 6939 | 6569A>G | 3 |

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|--------|--------|--------|-------------|--|------|---------|-------|
| PYGB | J03544 | 138550 | GEN-11L | homolog. LAR protein (leukocyte antigen related) Human brain glycogen phosphorylase mRNA, complete cds | 718 | 639C>T | S |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 2449 | 2370G>A | S |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 2712 | 2633C>G | 3 |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 3346 | 3267C>T | 3 |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 3644 | 3565G>A | 3 |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 3687 | 3608G>A | 3 |
| PYGB | J03544 | 138550 | GEN-11L | Human brain glycogen phosphorylase mRNA, complete cds | 3770 | 3691G>A | 3 |
| PYGL | M36807 | 232700 | GEN- 2NJ | Human liver glycogen phosphorylase type IV mRNA, 3' end | 702 | 702G>C | R234S |
| PYGL | M36807 | 232700 | GEN- 2NJ | Human liver glycogen phosphorylase type IV mRNA, 3' end | 1108 | 1108C>G | 3 |
| RAF1 | X06409 | 164760 | GEN- 19K | Human mRNA fragment for activated c-raf-1 (exons 8- 17) | 486 | 487T>C | 3 |
| RAF1 | X06409 | 164760 | GEN- 19K | Human mRNA fragment for activated c-raf-1 (exons 8- 17) | 1947 | 1948C>T | 3 |
| RAF1 | X06409 | 164760 | GEN- 19K | Human mRNA fragment for activated c-raf-1 (exons 8- 17) | 1992 | 1993C>A | 3 |
| S63912 | S63912 | 601233 | GEN- 3EJ | D10S102=FBRNP [human, fetal brain, mRNA, 3043 nt] | 2193 | 2163G>A | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 669 | 632A>G | K211R |

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|--------|--------|--------|-------------|---|------|-------------------------------|-------|
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 820 | 783T>C | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 820 | 783T>C | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 856 | 819G>A | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 856 | 819G>A | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1388 | 1351T>G | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1395 | 1358- 1362CTTTA> | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1395 | CTTTA 1358- 1362delCTTT | F |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1419 | A 1382C>A | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1419 | 1382C>A | 3 |
| S74445 | S74445 | 180230 | GEN- 3N7 | cellular retinoic acid- binding protein (human, skin, mRNA, 735 nt) | 134 | 60G>C | S |
| SLC5A1 | M24847 | 182380 | GEN- 28S | Human Na ⁺ /glucose cotransporter 1 mRNA, complete cds | 2226 | 2216C>T | 3 |
| SLO | U02632 | 600150 | GEN-XA | Calcium-activated potassium channel | 2377 | 2377T>G | S793A |
| SOD2 | X07834 | 147460 | GEN- 1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 44 | 40C>G | P14A |
| SOD2 | X07834 | 147460 | GEN- 1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 51 | 47T>C | V16A |
| SOD2 | X07834 | 147460 | GEN- 1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 198 | 194C>A | T65N |
| SOD2 | X07834 | 147460 | GEN- 1ES | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 249 | 245T>C | I82T |
| SORD | U07361 | 182500 | GEN- 1DR | Human mRNA for manganese superoxide dismutase (EC 1.15.1.1) | 606 | 465C>T | S |
| SORD | U07361 | 182500 | GEN- 1DR | Homo sapiens sorbitol dehydrogenase gene, complete cds | 857 | 716A>T | Q239L |
| SORD | U07361 | 182500 | GEN- | Homo sapiens sorbitol dehydrogenase gene, complete cds | 1247 | 1106T>C | 3 |

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|-------|--------|--------|---------|--------|--|------|---------|-------|
| SORD | U07361 | 182500 | GEN-1DR | 1DR | dehydrogenase gene, complete cds | 1275 | 1134T>G | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Homo sapiens sorbitol dehydrogenase gene, complete cds | 70 | 13A>T | I5F |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 123 | 66A>G | S |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 184 | 127G>T | V43L |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 559 | 502C>G | R168G |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 998 | 941C>G | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 1183 | 1126C>G | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 1413 | 1356G>A | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 1551 | 1494C>G | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 1922 | 1865G>T | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 2072 | 2015T>C | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 2092 | 2035A>G | 3 |
| SPARC | J03040 | 182120 | GEN-ZC | GEN-ZC | Human SPARC/osteonectin mRNA, complete cds | 2104 | 2047A>C | 3 |

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| SPP1 | X13694 | 166490 | GEN-1P2 | Human mRNA for osteopontin | 349 | 282T>C | S |
| SPP1 | X13694 | 166490 | GEN-1P2 | Human mRNA for osteopontin | 817 | 750C>T | S |
| SPP1 | X13694 | 166490 | GEN-1P2 | Human mRNA for osteopontin | 969 | 902G>A | R301H |
| SPP1 | X13694 | 166490 | GEN-1P2 | Human mRNA for osteopontin | 1150 | 1083A>G | 3 |
| SPP1 | X13694 | 166490 | GEN-1P2 | Human mRNA for osteopontin | 1306 | 1239A>C | 3 |
| SRD5A2 | M74047 | 264600 | GEN-CDC | Human steroid 5-alpha-reductase 2 (SRD5A2) mRNA, complete cds | 2379 | 2352A>G | 3 |
| STAR | U17280 | 600617 | GEN-208 | Human steroidogenic acute regulatory protein (STAR) mRNA, complete cds | 1439 | 1313C>T | 3 |
| TBG | M14091 | 314200 | GEN-1QO | Human thyroxine-binding globulin mRNA, complete cds | 901 | 571G>A | D191N |
| TBG | M14091 | 314200 | GEN-1QO | Human thyroxine-binding globulin mRNA, complete cds | 1239 | 909G>T | L303F |
| TCF14 | X76930 | 600281 | GEN-3PH | H.sapiens HNF4 mRNA for hepatocyte nuclear factor 4 | 1325 | 1306C>T | P436S |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 654 | 624G>A | S |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 768 | 738C>G | C246W |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 1447 | 1417G>T | V473F |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 1602 | 1572G>C | S |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 1632 | 1602C>T | S |
| TF | M12530 | 190000 | GEN-1MK | Human transferrin mRNA, complete cds | 1795 | 1765C>T | P589S |
| TGFBR2 | M85079 | 190182 | GEN-3ZS | Human TGF-beta type II receptor mRNA, complete cds | 2045 | 1710A>C | 3 |
| TGFBR3 | L07594 | 600742 | GEN- | Human transforming | 3966 | 3618G>C | 3 |

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|--------|--------|--------|---------|-----|---|------|---------|-------|
| U00968 | U00968 | 184756 | GEN-UU | 1EA | growth factor-beta type III receptor (TGF-beta) mRNA, complete cds | 3983 | 3817G>A | 3 |
| U02031 | U02031 | 600481 | GEN-WD | | Human SREBP-1 mRNA, complete cds | 1089 | 972G>A | S |
| U09648 | U09648 | 600650 | GEN-1I | | Human sterol regulatory element binding protein-2 mRNA, complete cds | 2556 | 2040G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | | Palmitoyltransferase II Carnitine | 2675 | 2159G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | | Palmitoyltransferase II Carnitine | 2792 | 2276G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | | Palmitoyltransferase II Carnitine | 2825 | 2309G>A | 3 |
| U09759 | U09759 | 602896 | GEN-1HA | | Palmitoyltransferase II Human protein kinase (JNK2) mRNA, complete cds | 303 | 152A>G | N51S |
| U09759 | U09759 | 602896 | GEN-1HA | | Human protein kinase (JNK2) mRNA, complete cds | 1079 | 928A>G | I310V |
| U09759 | U09759 | 602896 | GEN-1HA | | Human protein kinase (JNK2) mRNA, complete cds | 1280 | 1129C>T | P377S |
| U09759 | U09759 | 602896 | GEN-1HA | | Human protein kinase (JNK2) mRNA, complete cds | 1559 | 1408C>T | 3 |
| U16031 | U16031 | None | GEN-HX | | Transcription Factor IL-4 Stat | 2984 | 2799G>A | 3 |
| U16660 | U16660 | 600696 | GEN-1YD | | Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete cds | 149 | 122A>C | E41A |
| U16660 | U16660 | 600696 | GEN-1YD | | Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete cds | 402 | 375G>A | S |
| U16660 | U16660 | 600696 | GEN-1YD | | Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete cds | 802 | 775C>G | P259A |

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|--------|--------|--------|---------|---|------|-----------------|-------|
| U16660 | U16660 | 600696 | GEN-1YD | Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds | 1157 | 1130G>A | 3 |
| U19775 | U19775 | 600289 | GEN-22C | Human MAP kinase Mxi2 (MXI2) mRNA, complete cds | 731 | 688G>A | D230N |
| U24183 | U24183 | 232800 | GEN-19 | Phosphofructokinase, muscle | 70 | (-1204)G>A | 5 |
| U24183 | U24183 | 232800 | GEN-19 | Phosphofructokinase, muscle | 237 | (-1037)G>A | 5 |
| U24183 | U24183 | 232800 | GEN-19 | Phosphofructokinase, muscle | 592 | (-682)T>C | 5 |
| U24183 | U24183 | 232800 | GEN-19 | Phosphofructokinase, muscle | 2662 | 1389T>G | S |
| U24183 | U24183 | 232800 | GEN-19 | Phosphofructokinase, muscle | 2953 | 1680C>T | 3 |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 335 | 335C>T | 3 |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 386 | 386T>C | 3 |
| U25029 | U25029 | 138040 | GEN-82 | Glucocorticoid receptor alpha | 1069 | 1069C>T | 3 |
| U26553 | U26553 | 114131 | GEN-66 | Calcitonin Receptor | 1412 | 1340C>T | P447L |
| U26553 | U26553 | 114131 | GEN-66 | Calcitonin Receptor | 1515 | 1443T>C | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 407 | 159C>T | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 833 | 585T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 833 | 585T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1184 | 936T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1184 | 936T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1706 | 1458-1460TAT>TA | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1706 | 1458-1460delTAT | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 2782 | 2534*2535ins CA | F |
| U32989 | U32989 | 191070 | GEN-2JH | Human tryptophan oxygenase (TDO) mRNA, | 991 | 927G>A | S |

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|--------|--------|--------|---------|---|------|---------|-------|
| U40002 | U40002 | 151750 | GEN-2RH | Human hormone-sensitive lipase testicular isoform mRNA, complete cds | 2076 | 1799C>A | P600H |
| U40347 | U40347 | 600950 | GEN-2RK | Human serotonin N-acetyltransferase mRNA, complete cds | 382 | 148G>A | E50K |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 285 | 229A>C | K77Q |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 314 | 258A>T | K86N |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 336 | 280C>T | P94S |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 688 | 632C>T | T211I |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 970 | 914C>A | A305E |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 1511 | 1455G>A | S |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 2377 | 2321C>T | T774M |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 2730 | 2674C>T | P892S |
| U41078 | U41078 | 600754 | GEN-2SU | Human membrane-type matrix metalloproteinase-1 mRNA, complete cds | 22 | 22C>T | P8S |
| U43142 | U43142 | 601528 | GEN-2UM | Human vascular endothelial growth factor related protein VRP mRNA, complete cds | 1499 | 1128C>T | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 494 | 484T>C | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 496 | 486A>G | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 499 | 489A>G | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 502 | 492G>A | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 570 | 560G>C | G187A |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 573 | 563C>A | P188Q |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1003 | 993G>A | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1063 | 1053T>C | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1066 | 1056G>A | S |

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|--------|--------|--------|---------|---|------|---------|-------|
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1105 | 1095C>T | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1159 | 1149C>T | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1969 | 1959C>T | S |
| U49516 | U49516 | 312861 | GEN-1Q | Serotonin 5-HT receptors | 2915 | 2187A>C | 3 |
| U49516 | U49516 | 312861 | GEN-1Q | Serotonin 5-HT receptors | 2947 | 2219A>G | 3 |
| U62768 | U62768 | 151300 | GEN-3CR | Human oxytocinase splice variant 1 mRNA, complete cds | 3356 | 3295G>C | 3 |
| U62768 | U62768 | 151300 | GEN-3CR | Human oxytocinase splice variant 1 mRNA, complete cds | 3547 | 3486C>T | 3 |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1248 | 1095C>T | S |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1425 | 1272G>A | S |
| U94357 | U94357 | None | GEN-498 | Homo sapiens glycogenin-2 delta (glycogenin-2) mRNA, partial cds | 1595 | 1595C>T | 3 |
| U94357 | U94357 | None | GEN-498 | Homo sapiens glycogenin-2 delta (glycogenin-2) mRNA, partial cds | 1844 | 1844A>C | 3 |
| UCP2 | U76367 | 601693 | GEN-3OV | Human uncoupling protein-2 (UCP2) mRNA, nuclear gene encoding mitochondrial protein, complete cds | 164 | 164C>T | A55V |
| V00518 | V00518 | 118850 | GEN-P4 | Human messenger RNA for chorionic gonadotropin | 565 | 515T>C | 3 |
| V00519 | V00519 | 139250 | GEN-4U | Growth hormone 1 | 299 | 259C>A | P87T |
| V00519 | V00519 | 139250 | GEN-4U | Growth hormone 1 | 524 | 484G>T | G162W |
| V00566 | V00566 | 176760 | GEN-4V | Prolactin | 574 | 570G>A | S |
| V00571 | V00571 | 122560 | GEN-CBO | corticotropin releasing factor | 822 | 637delA | F |
| V00571 | V00571 | 122560 | GEN-CBO | corticotropin releasing factor | 837 | 652G>A | 3 |
| VEGF | M32977 | 192240 | GEN-2JF | Human heparin-binding | 50 | (-7)C>T | 5 |

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|--------|--------|--------|---------|--|------|----------|-------|
| VEGF | M32977 | 192240 | GEN-2JF | vascular endothelial growth factor (VEGF) mRNA, complete cds | 92 | 36C>T | S |
| VLDLR | L20470 | 192977 | GEN-23D | Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds | 336 | (-56)C>T | 5 |
| VLDLR | L20470 | 192977 | GEN-23D | Human very low density lipoprotein receptor mRNA, complete cds | 3566 | 3175T>C | 3 |
| X00264 | X00264 | 152780 | GEN-CC2 | Human very low density lipoprotein receptor mRNA, complete cds | 1015 | 1016G>C | 3 |
| X00264 | X00264 | 152780 | GEN-CC2 | Human beta-LH gene (luteinizing hormone gene beta subunit) | 1033 | 1034C>A | 3 |
| X00568 | X00568 | 207750 | GEN-6Z | Human beta-LH gene (luteinizing hormone gene beta subunit) | 70 | 70C>A | Q24K |
| X02317 | X02317 | 147450 | GEN-KM | Apolipoprotein C-II | 614 | 550A>C | 3 |
| X02812 | X02812 | 190180 | GEN-XR | Superoxide dismutase 1 (Cu/Zn) | 870 | 29C>T | P10L |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 979 | 138C>G | I46M |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1632 | 791C>T | T264I |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1807 | 966C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1930 | 1089G>A | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 1942 | 1101C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for transforming growth factor-beta (TGF-beta) | 2013 | 1172G>A | S391N |

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|--|--------|--------|--------|--|------|---------------------|-------|--|--|
| transforming growth factor- beta (TGF-beta) | | | | | | | | | |
| X03172 | X03172 | 192340 | GEN-ZM | Human mRNA for vasopressin precursor | 379 | 356T>G | V119G | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 390 | 30T>C | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 390 | 30T>C | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 424 | 64G>C | E22Q | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 617 | 257C>T | A86V | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 621 | 261G>C | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 829 | 469C>T | F | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 1335 | 975C>G | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 1335 | 975C>G | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 1451 | 1091T>A | V364E | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 1674 | 1314G>A | M438I | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 2142 | 1782A>G | S | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 2354 | 1994A>G | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 2550 | 2190A>C | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 2733 | 2373C>G | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3181 | 2821T>C | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3338 | 2978C>T | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3652 | 3292- 3294CCT>CC | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3652 | 3292- 3294delCCT | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3896 | 3536C>A | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 4378 | 4018T>C | 3 | | |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 6287 | 5927T>C | 3 | | |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha | 363 | 351C>T | S | | |
| X04409 | X04409 | 139320 | GEN-7Q | stimulating activity polypeptide 1 | | | | | |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha | 525 | 513C>T | S | | |
| X04409 | X04409 | 139320 | GEN-7Q | stimulating activity polypeptide 1 | | | | | |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha | 967 | 955C>A | R319S | | |

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|--------|--------|--------|---------|--|------|---------|-------|
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1023 | 1011C>A | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1083 | 1071C>T | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1213 | 1201T>G | 3 |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1450 | 1438A>C | 3 |
| X04707 | X04707 | 190160 | GEN-CCA | Human c-erb-A mRNA for thyroid hormone receptor | 1295 | 995T>C | 1332T |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 384 | 330C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 825 | 771C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 996 | 942C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 1137 | 1083A>G | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 1485 | 1431C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 2340 | 2286T>G | S |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 2532 | 2478G>A | 3 |
| X05199 | X05199 | 173350 | GEN-PU | Human mRNA for plasminogen | 2606 | 2552T>G | 3 |
| X05344 | X05344 | 116840 | GEN-PW | Human mRNA for cathepsin D from oestrogen responsive breast cancer cells | 1583 | 1581C>G | 3 |
| X05344 | X05344 | 116840 | GEN-PW | Human mRNA for | 1703 | 1701C>T | 3 |

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| X05344 | X05344 | 116840 | GEN-PW | cathepsin D from oestrogen responsive breast cancer cells | 1754 | 1752G>A | 3 |
| X05344 | X05344 | 116840 | GEN-PW | Human mRNA for cathepsin D from oestrogen responsive breast cancer cells | 1798 | 1796A>C | 3 |
| X05344 | X05344 | 116840 | GEN-PW | cathepsin D from oestrogen responsive breast cancer cells | 1837 | 1835A>C | 3 |
| X05344 | X05344 | 116840 | GEN-PW | Human mRNA for cathepsin D from oestrogen responsive breast cancer cells | 1901 | 1899C>T | 3 |
| X05344 | X05344 | 116840 | GEN-PW | cathepsin D from oestrogen responsive breast cancer cells | 1975 | 1973T>G | 3 |
| X05615 | X05615 | 188450 | GEN-188 | Human mRNA for thyroglobulin | 5945 | 5904G>A | S |
| X05615 | X05615 | 188450 | GEN-188 | Human mRNA for thyroglobulin | 7627 | 7586G>A | R2529Q |
| X05615 | X05615 | 188450 | GEN-188 | Human mRNA for thyroglobulin | 7704 | 7663G>T | V2555F |
| X05615 | X05615 | 188450 | GEN-188 | Human mRNA for thyroglobulin | 7958 | 7917C>T | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 83 | (-54)G>C | 5 |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 940 | 804G>A | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 1327 | 1191T>C | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 | 1906 | 1770C>T | S |
| X06562 | X06562 | 600946 | GEN-6D | Growth hormone receptor | 3392 | 3349A>T | 3 |
| X06562 | X06562 | 600946 | GEN-6D | Growth hormone receptor | 4145 | 4102G>A | 3 |
| X07549 | X07549 | 116820 | GEN-1DZ | Human mRNA for cathepsin H (E.C.3.4.22.16.) | 276 | 244T>C | 3 |

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|--------|--------|--------|---------|---|------|-------------------|-------|
| X07549 | X07549 | 116820 | GEN-1DZ | Human mRNA for cathepsin H (E.C.3.4.22.16.) | 664 | 632G>A | 3 |
| X07549 | X07549 | 116820 | GEN-1DZ | Human mRNA for cathepsin H (E.C.3.4.22.16.) | 1006 | 974G>A | 3 |
| X07549 | X07549 | 116820 | GEN-1DZ | Human mRNA for cathepsin H (E.C.3.4.22.16.) | 1029 | 997G>A | 3 |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, subfamily XIX (aromatization of androgens) | 364 | 240A>G | S |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, subfamily XIX (aromatization of androgens) | 914 | 790C>T | R264C |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, subfamily XIX (aromatization of androgens) | 914 | 790C>T | R264C |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, subfamily XIX (aromatization of androgens) | 1655 | 1531C>T | 3 |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, subfamily XIX (aromatization of androgens) | 1796 | 1672G>T | 3 |
| X13629 | X13629 | 107690 | GEN-100 | Human intestinal mRNA for apolipoprotein A-IV | 881 | 836G>A | R279K |
| X13629 | X13629 | 107690 | GEN-100 | Human intestinal mRNA for apolipoprotein A-IV | 1185 | 1140G>T | Q380H |
| X13629 | X13629 | 107690 | GEN-100 | Human intestinal mRNA for apolipoprotein A-IV | 1302 | 1257^1258ins CTGT | F |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 1636 | 1170T>C | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 1675 | 1209C>T | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 2805 | 2339C>T | T780I |

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|--------|--------|--------|---------|--|------|----------------------|--------|
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 3853 | 3387T>C | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 6443 | 5977C>T | R1993W |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 7036 | 6570C>T | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 8608 | 8142G>A | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 8923 | 8457C>T | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 9034 | 8568G>T | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 9040 | 8574C>T | S |
| X13916 | X13916 | 107770 | GEN-1Q1 | Human mRNA for LDL-receptor related protein | 9391 | 8925T>C | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 1066 | 1023G>C | M341I |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 1657 | 1614C>T | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 2859 | 2816G>A | R939Q |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 2983 | 2940G>A | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 3259 | 3216delC | F |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 3589 | 3546*3547Ins GAAA | F |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 588 | 423G>A | S |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1104 | 939C>T | S |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1122 | 957T>C | S |
| X51362 | X51362 | 126450 | GEN-31W | Dopamine Receptor D2 | 1248 | 1083A>G | S |

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|--------|--------|--------|----------------|--|------|---------|-------|
| X51362 | X51362 | 126450 | 31W GEN-31W | Dopamine Receptor D2 | 1488 | 1323T>C | S |
| X51362 | X51362 | 126450 | 31W GEN-31W | Dopamine Receptor D2 | 1548 | 1383A>G | 3 |
| X51362 | X51362 | 126450 | 31W GEN-31W | Dopamine Receptor D2 | 2361 | 2196C>T | 3 |
| X51416 | X51416 | 601998 | GEN-57 | STEROID HORMONE RECEPTOR ERR1 | 2285 | 2222G>A | 3 |
| X52773 | X52773 | 180245 | GEN-74 | Retinoid X receptor, alpha | 1744 | 1669G>A | 3 |
| X55005 | X55005 | 190120 | GEN-35S | Human c-erbA-1 mRNA for thyroid hormone receptor | 493 | 27A>G | S |
| X55005 | X55005 | 190120 | GEN-35S | Human c-erbA-1 mRNA for thyroid hormone receptor | 1523 | 1057G>A | V353I |
| X59498 | X59498 | 176300 | GEN-RU | H.sapiens ttr mRNA for alpha transthyretin | 92 | 71G>A | G24D |
| X59498 | X59498 | 176300 | GEN-RU | H.sapiens ttr mRNA for transthyretin | 177 | 156G>T | S |
| X59498 | X59498 | 176300 | GEN-RU | H.sapiens ttr mRNA for transthyretin | 380 | 359C>T | S120F |
| X59842 | X59842 | 600214 | GEN-3A3 | Human PBX2 mRNA | 2339 | 2043T>G | 3 |
| X63359 | X63359 | 600070 | GEN-3DC | H.sapiens UGT2B10 mRNA for udp glucuronosyltransferase | 1516 | 1506C>T | S |
| X63359 | X63359 | 600070 | GEN-3DC | H.sapiens UGT2B10 mRNA for udp glucuronosyltransferase | 2714 | 2704G>A | 3 |
| X63522 | X63522 | 180246 | GEN-75 | MHC class I promoter binding protein | 1331 | 1152T>C | S |
| X68596 | X68596 | 168468 | GEN-3IJ | H.sapiens mRNA for parathyroid hormone receptor | 1563 | 1389T>C | S |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 112 | 21T>C | S |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 292 | 201C>T | S |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1436 | 1345T>C | 3 |

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|--------|--------|--------|---------|--|------|----------|-------|
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1579 | 1488T>C | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1621 | 1530C>T | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1719 | 1628A>C | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1904 | 1813G>C | 3 |
| X69699 | X69699 | 167415 | GEN-3JS | H.sapiens Pax8 mRNA | 1412 | 1413G>C | 3 |
| X69699 | X69699 | 167415 | GEN-3JS | H.sapiens Pax8 mRNA | 2164 | 2165T>G | 3 |
| X69699 | X69699 | 167415 | GEN-3JS | H.sapiens Pax8 mRNA | 2508 | 2509T>C | 3 |
| X69699 | X69699 | 167415 | GEN-3JS | H.sapiens Pax8 mRNA | 2514 | 2515A>C | 3 |
| X69699 | X69699 | 167415 | GEN-3JS | H.sapiens Pax8 mRNA | 2552 | 2553A>C | 3 |
| X70811 | X70811 | 109691 | GEN-3KK | beta-3-adrenergic receptor | 315 | 190T>C | W64R |
| X70811 | X70811 | 109691 | GEN-3KK | beta-3-adrenergic receptor | 315 | 190T>C | W64R |
| X71440 | X71440 | None | GEN-3KS | H.sapiens mRNA for peroxisomal acyl-CoA oxidase | 949 | 936G>C | M312I |
| X75958 | X75958 | 600456 | GEN-3OE | H.sapiens trkB mRNA for protein-tyrosine kinase | 30 | (-68)C>G | 5 |
| X75958 | X75958 | 600456 | GEN-3OE | H.sapiens trkB mRNA for protein-tyrosine kinase | 2010 | 1913A>G | 3 |
| X75958 | X75958 | 600456 | GEN-3OE | H.sapiens trkB mRNA for protein-tyrosine kinase | 2101 | 2004C>T | 3 |
| X76180 | X76180 | 600228 | GEN-N5 | Solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive) | 1901 | 1802G>A | G601D |
| X77383 | X77383 | 600550 | GEN-3PT | H.sapiens mRNA for cathepsin-O | 1595 | 1546C>T | 3 |
| X77533 | X77533 | 602730 | GEN-3Q3 | H.sapiens mRNA for activin type II receptor | 1462 | 1458C>T | S |
| X78873 | X78873 | 601792 | GEN- | H.sapiens mRNA for | 538 | 535G>A | D179N |

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|--------|--------|--------|--------------------|---|------|---------|--------|
| X78873 | X78873 | 601792 | 3RQ GEN- | inhibitor 2 gene | 812 | 809G>A | 3 |
| X79483 | X79483 | 602399 | 3RQ GEN- LPR | H.sapiens mRNA for inhibitor 2 gene H.sapiens ERK6 mRNA for extracellular signal regulated kinase | 1287 | 1254T>G | 3 |
| X79537 | X79537 | 603942 | GEN- 3TA | H.sapiens mRNA for glycogenin | 635 | 552G>A | S |
| X79537 | X79537 | 603942 | GEN- 3TA | H.sapiens mRNA for glycogenin | 1381 | 1298A>G | 3 |
| X83368 | X83368 | 601232 | GEN- 3XT | H.sapiens mRNA for phosphatidylinositol 3 kinase gamma | 3884 | 3561C>T | 3 |
| X87212 | X87212 | 602365 | GEN- 42U | H.sapiens mRNA for cathepsin C | 318 | 285G>T | S |
| X87212 | X87212 | 602365 | GEN- 42U | H.sapiens mRNA for cathepsin C | 870 | 837G>C | Q279H |
| X87212 | X87212 | 602365 | GEN- 42U | H.sapiens mRNA for cathepsin C | 1390 | 1357A>G | I453V |
| X87212 | X87212 | 602365 | GEN- 42U | H.sapiens mRNA for cathepsin C | 1758 | 1725A>C | 3 |
| X92521 | X92521 | 601807 | GEN-480 | H.sapiens mRNA for MMP- 19 protein | 1722 | 1621T>G | 3 |
| X92720 | X92720 | 261650 | GEN-484 | H.sapiens mRNA for phosphoenolpyruvate carboxykinase | 1494 | 1428A>C | R476S |
| X95190 | X95190 | 601641 | GEN- 49Y | H.sapiens mRNA for Branched chain Acyl-CoA Oxidase | 1394 | 1302C>T | S |
| X95190 | X95190 | 601641 | GEN- 49Y | H.sapiens mRNA for Branched chain Acyl-CoA Oxidase | 1934 | 1842C>A | S |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 4613 | 4466G>A | S1489N |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 6371 | 6224C>T | T2075M |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 6813 | 6666C>T | S |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 7150 | 7003G>A | V2335M |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 8685 | 8538C>A | 3 |
| Y00406 | Y00406 | 274500 | GEN-6J | Peroxidase (thyroid) | 2185 | 2145T>C | S |
| Y00406 | Y00406 | 274500 | GEN-6J | Peroxidase (thyroid) | 2213 | 2173C>A | P725T |
| Y00406 | Y00406 | 274500 | GEN-6J | Peroxidase (thyroid) | 2580 | 2540C>T | A847V |

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|--------|--------|--------|---------|--|------|---------|--------|
| Y00406 | Y00406 | 274500 | GEN-6J | Peroxidase (thyroid) | 2923 | 2883C>G | 3 |
| Y00749 | Y00749 | 131240 | GEN-P7 | Endothelin 1 | 846 | 594G>T | K198N |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for mosaic protein LR11 | 3641 | 3561T>G | S |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for mosaic protein LR11 | 3818 | 3738C>T | S |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for mosaic protein LR11 | 5158 | 5078G>A | S1693N |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for mosaic protein LR11 | 6571 | 6491G>A | R2164K |
| Y10055 | Y10055 | 602839 | GEN-1IC | H.sapiens mRNA for phosphoinositide 3-kinase | 954 | 758G>A | S253N |
| Y10055 | Y10055 | 602839 | GEN-1IC | H.sapiens mRNA for phosphoinositide 3-kinase | 2491 | 2295C>T | S |
| Y10055 | Y10055 | 602839 | GEN-1IC | H.sapiens mRNA for phosphoinositide 3-kinase | 3004 | 2808C>T | S |
| Y11525 | Y11525 | 116897 | GEN-1KR | H.sapiens mRNA for CCAAT/enhancer binding protein alpha | 922 | 773C>T | A258V |
| Y11525 | Y11525 | 116897 | GEN-1KR | H.sapiens mRNA for CCAAT/enhancer binding protein alpha | 1007 | 858G>A | S |
| Y11525 | Y11525 | 116897 | GEN-1KR | H.sapiens mRNA for CCAAT/enhancer binding protein alpha | 1441 | 1292G>A | 3 |
| Y11525 | Y11525 | 116897 | GEN-1KR | H.sapiens mRNA for CCAAT/enhancer binding protein alpha | 2327 | 2178T>C | 3 |
| Y15409 | Y15409 | 602671 | GEN-1U1 | Homo sapiens mRNA for putative glucose 6-phosphate translocase | 1393 | 1224G>A | S |
| Y15409 | Y15409 | 602671 | GEN-1U1 | Homo sapiens mRNA for putative glucose 6-phosphate translocase | 1584 | 1415C>G | 3 |
| Y15409 | Y15409 | 602671 | GEN-1U1 | Homo sapiens mRNA for putative glucose 6-phosphate translocase | 1877 | 1708C>T | 3 |
| Y15521 | Y15521 | None | GEN-MEN | phosphate translocase Homo sapiens ASMTL gene | 1622 | 1622A>G | K541R |
| Z11695 | Z11695 | 176948 | GEN-1L1 | H.sapiens 40 kDa protein kinase related to rat ERK2 | 1287 | 1153G>A | 3 |

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| Z11696 | Z11696 | 601795 | GEN-1L0 | H.sapiens 44kDa protein kinase related to rat ERK1 | 449 | 449T>G | 1150S |
| Z82022 | Z82022 | 191350 | GEN-3WH | H.sapiens mRNA for GlcNac-1-P transferase | 1256 | 1153A>G | 1385V |
| Z82022 | Z82022 | 191350 | GEN-3WH | H.sapiens mRNA for GlcNac-1-P transferase | 1491 | 1388G>A | 3 |
| Z82022 | Z82022 | 191350 | GEN-3WH | H.sapiens mRNA for GlcNac-1-P transferase | 1723 | 1620T>C | 3 |

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| Table 17. Identified Variances In Genes for Pathways Identified in Endocrine and Metabolic Disease and Related Disorders | | | | | | | |
| AB00026 | AB00026 | 602784 | GEN-16N | Human mRNA for prepro cortistatin like peptide, complete cds | 215 | 210T>C | S |
| AB00102 | AB00102 | 180903 | GEN-18S | Homo sapiens mRNA for brain ryanodine receptor, complete cds | 14689 | 14603T>G | 3 |
| AB00102 | AB00102 | 180903 | GEN-18S | Homo sapiens mRNA for brain ryanodine receptor, complete cds | 15521 | 15435G>A | 3 |
| AB00132 | AB00132 | 600170 | GEN-KYP | Human AQP3 gene for aquaporin 3 (water channel), partial cds | 1203 | 1143G>A | 3 |
| AB00528 | AB00528 | 300135 | GEN-KVU | Homo sapiens mRNA for ABC transporter 7 protein, complete cds | 2137 | 2069A>T | H690L |
| AB00529 | AB00529 | 170290 | GEN-W4 | Homo sapiens mRNA for | 2197 | 2073A>T | 3 |

| Accession | Gene | Protein | Length | Function | Mutation | Position |
|-----------|---|---|--------|----------|----------|----------|
| AB00942 | perilipin, complete cds | Homo sapiens gene for apobec-1 | 1016 | 534C>T | S | |
| AB01071 | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1071 | 1010T>A | 3 | |
| AB01071 | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1073 | 1012T>C | 3 | |
| AB01071 | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1073 | 1012T>C | 3 | |
| AB01071 | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 1801 | 1740A>G | 3 | |
| AB01071 | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds | 2199 | 2138G>A | 3 | |
| AB02068 | Homo sapiens mRNA for KIAA0873 protein, partial cds | Homo sapiens mRNA for KIAA0873 protein, partial cds | 3854 | 3854A>G | 3 | |
| AF000234 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | 365 | 365C>T | P122L | |
| AF000234 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | 381 | 381G>A | S | |
| AF000234 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | 624 | 624A>G | S | |
| AF000234 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | 641 | 641C>T | P214L | |
| AF000234 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4 | 1161 | 1161T>C | 3 | |
| AF000571 | K+ channel (KvLQT1) | K+ channel (KvLQT1) | 545 | 435C>T | S | |
| AF000571 | K+ channel (KvLQT1) | K+ channel (KvLQT1) | 1748 | 1638G>A | S | |
| AF000571 | K+ channel (KvLQT1) | K+ channel (KvLQT1) | 2360 | 2250G>A | 3 | |

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|----------|----------|--------|---------|--|------|---------|-------|
| AF000571 | AF000571 | 192500 | GEN-15U | K+ channel (KvLQT1) | 2552 | 2442C>T | 3 |
| AF000571 | AF000571 | 192500 | GEN-15U | K+ channel (KvLQT1) | 3016 | 2906A>G | 3 |
| AF000571 | AF000571 | 192500 | GEN-15U | K+ channel (KvLQT1) | 3073 | 2963A>G | 3 |
| AF001174 | AF001174 | 602898 | GEN-18T | Homo sapiens p38beta2 MAP kinase mRNA, complete cds | 1044 | 1038T>C | S |
| AF004709 | AF004709 | 602899 | GEN-UX | Homo sapiens stress-activated protein kinase 4 mRNA, complete cds | 432 | 384G>A | S |
| AF005043 | AF005043 | 603501 | GEN-VX | Homo sapiens poly(ADP-ribose) glycohydrolase (hPARG) mRNA, complete cds | 1916 | 1750G>A | A584T |
| AF005043 | AF005043 | 603501 | GEN-VX | Homo sapiens poly(ADP-ribose) glycohydrolase (hPARG) mRNA, complete cds | 3780 | 3614C>G | 3 |
| AF009620 | AF009620 | 601763 | GEN-1HV | Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds | 808 | 808C>G | H270D |
| AF009620 | AF009620 | 601763 | GEN-1HV | Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds | 915 | 915G>A | S |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1023 | 987T>C | S |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1025 | 989T>C | F330S |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1090 | 1054G>C | E352Q |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1321 | 1285G>A | 3 |

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|----------|----------|--------|---------|--|------|---------|-------|
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1424 | 1388C>G | 3 |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1512 | 1476G>A | 3 |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1743 | 1707A>G | 3 |
| AF016709 | AF016709 | 602836 | GEN-1NE | PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5 | 1858 | 1822A>G | 3 |
| AF021792 | AF021792 | 603167 | GEN-2A5 | Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds | 781 | 781G>A | 3 |
| AF021792 | AF021792 | 603167 | GEN-2A5 | Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds | 883 | 883C>A | 3 |
| HRH1 | AF026261 | 600167 | GEN-26W | Histamine receptor H1 mRNA, partial cds | 1068 | 1068A>G | S |
| AVPR1B | AF030512 | 600264 | GEN-4FF | Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete cds | 273 | 150G>A | S |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 314 | 291C>T | S |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 431 | 408T>C | S |
| AF030625 | AF030625 | 600821 | GEN-2 | Vasopressin V1A receptor | 506 | 483A>G | S |
| ITGA7 | AF032108 | 600536 | GEN-2NO | Homo sapiens integrin alpha-7 mRNA, complete cds | 527 | 366G>A | S |
| AF033850 | AF033850 | 602384 | GEN-2OB | Homo sapiens phospholipase D2 (PLD2) mRNA, complete cds | 795 | 634C>T | R212C |
| AF033850 | AF033850 | 602384 | GEN-2OB | Homo sapiens phospholipase D2 (PLD2) mRNA, complete cds | 2531 | 2370G>A | S |
| AF033850 | AF033850 | 602384 | GEN-2OB | Homo sapiens phospholipase D2 (PLD2) mRNA, complete cds | 3290 | 3129C>T | 3 |
| AF037335 | AF037335 | 603263 | GEN-2KJ | Homo sapiens carbonic anhydrase precursor (CA | 1551 | 1436G>T | 3 |

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|----------|----------|--------|---------|--|------|---------|--------|
| AF037335 | AF037335 | 603263 | GEN-2KJ | 12) mRNA, complete cds Homo sapiens carbonic anhydrase precursor (CA 12) mRNA, complete cds | 2442 | 2327C>T | 3 |
| AF038955 | AF038955 | 600874 | GEN-LEI | Homo sapiens G protein gamma 5 subunit mRNA, complete cds | 490 | 453A>T | 3 |
| AF041381 | AF041381 | 602944 | GEN-LG1 | Homo sapiens putative transcriptional repressor E2F-6 mRNA, partial cds | 1214 | 1214C>T | 3 |
| AF052692 | AF052692 | 603324 | GEN-MKO | Homo sapiens connexin 31 (GJB3) mRNA, complete cds | 2302 | 1169A>G | 3 |
| AF052692 | AF052692 | 603324 | GEN-MKO | Homo sapiens connexin 31 (GJB3) mRNA, complete cds | 2438 | 1305T>C | 3 |
| AF052692 | AF052692 | 603324 | GEN-MKO | Homo sapiens connexin 31 (GJB3) mRNA, complete cds | 2504 | 1371G>C | 3 |
| AF058921 | AF058921 | None | GEN-LJY | Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds | 1972 | 1663G>A | 3 |
| AF058921 | AF058921 | None | GEN-LJY | Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds | 1989 | 1680A>T | 3 |
| AF064548 | AF064548 | 603506 | GEN-KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 1695 | 1647C>T | S |
| AF064548 | AF064548 | 603506 | GEN-KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4037 | 3989C>T | A1330V |
| AF064548 | AF064548 | 603506 | GEN-KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4683 | 4635C>A | S |
| AF064548 | AF064548 | 603506 | GEN-KV4 | Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds | 4802 | 4754C>T | S1585L |

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|----------|----------|--------|-------------|---|------|---------|-------|
| AF084040 | AF084040 | 107940 | GEN- LQ9 | Homo sapiens beta-arrestin 1A mRNA, complete cds | 986 | 986A>T | E329V |
| AF084040 | AF084040 | 107940 | GEN- LQ9 | Homo sapiens beta-arrestin 1A mRNA, complete cds | 1279 | 1279G>A | 3 |
| AJ005162 | AJ005162 | 600067 | GEN- KVT | Homo sapiens mRNA for UDP-glucuronosyltransferase | 1915 | 1882A>C | 3 |
| AJ224538 | AJ224538 | 602741 | GEN-243 | Homo sapiens mRNA for AMP-activated protein kinase beta 2 subunit | 631 | 631C>T | H211Y |
| D00017 | D00017 | 151740 | GEN-2D | Lipocortin II (Annexin II) | 149 | 100G>A | D34N |
| D00017 | D00017 | 151740 | GEN-2D | Lipocortin II (Annexin II) | 341 | 292G>T | V98L |
| D00017 | D00017 | 151740 | GEN-2D | Lipocortin II (Annexin II) | 479 | 430A>T | N144Y |
| D00017 | D00017 | 151740 | GEN-2D | Lipocortin II (Annexin II) | 1288 | 1239G>A | 3 |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 1059 | 741A>C | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 1059 | 741A>C | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 1428 | 1110G>A | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 2538 | 2220T>C | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3324 | 3006C>T | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3375 | 3057G>A | S |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3397 | 3079G>A | 3 |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3408 | 3090C>A | 3 |

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|---------|--------|--------|---------|--|---------|-------|
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3187C>A | 3 |
| ATP1A1 | D00099 | 182310 | GEN-4E8 | Homo sapiens mRNA for Na,K-ATPase alpha-subunit, complete cds | 3220G>T | 3 |
| FECH | D00726 | 177000 | GEN-UB | Human mRNA for ferrochelatase (EC 4.99.1.1) | 798G>C | S |
| FECH | D00726 | 177000 | GEN-UB | Human mRNA for ferrochelatase (EC 4.99.1.1) | 1224T>A | N408K |
| FECH | D00726 | 177000 | GEN-UB | Human mRNA for ferrochelatase (EC 4.99.1.1) | 1520C>T | 3 |
| FECH | D00726 | 177000 | GEN-UB | Human mRNA for ferrochelatase (EC 4.99.1.1) | 1616G>A | 3 |
| D13138 | D13138 | 179780 | GEN-1NW | Human mRNA for dipeptidase | 523T>G | S175A |
| CYP11B2 | D13752 | 124080 | GEN-CCD | Human CYP11B2 gene for steroid 18-hydroxylase, complete cds | 1593G>A | 3 |
| D14874 | D14874 | 103275 | GEN-1SG | Human mRNA for adrenomedullin, complete cds | 1137A>G | 3 |
| D14874 | D14874 | 103275 | GEN-1SG | Human mRNA for adrenomedullin, complete cds | 1238A>C | 3 |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 825T>C | S |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1561G>C | 3 |
| HADHB | D16481 | 143450 | GEN-1Y5 | Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1862A>C | 3 |

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| HADHB | D16481 | 143450 | GEN-1Y5 | CoA thiolase beta-subunit of trifunctional protein, complete cds Human mRNA for 1911 mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds | 1865A>C | 3 |
| D21243 | D21243 | 141251 | GEN-9C | Heme oxygenase 828 (decycling) 2 | 828C>G | S |
| D25235 | D25235 | 104221 | GEN-3 | Adrenergic receptor alpha 1035 | 599T>G | I200S |
| D25235 | D25235 | 104221 | GEN-3 | Adrenergic receptor alpha 1c 1475 | 1039C>T | R347C |
| D25235 | D25235 | 104221 | GEN-3 | Adrenergic receptor alpha 1c 1475 | 1039C>T | R347C |
| D25235 | D25235 | 104221 | GEN-3 | Adrenergic receptor alpha 1c 2048 | 1612C>T | 3 |
| D25418 | D25418 | 600022 | GEN-78 | Prostaglandin I2 726 (prostacyclin) receptor (IP) | 635G>A | R212H |
| D25418 | D25418 | 600022 | GEN-78 | Prostaglandin I2 1047 (prostacyclin) receptor (IP) | 956C>G | S319W |
| D25418 | D25418 | 600022 | GEN-78 | Prostaglandin I2 1075 (prostacyclin) receptor (IP) | 984A>C | S |
| PTGIR | D38128 | 600022 | GEN-4DH | Human IP gene for 203 prostacyclin receptor, exon 3 | 204C>G | 3 |
| PTGIR | D38128 | 600022 | GEN-4DH | Human IP gene for 231 prostacyclin receptor, exon 3 | 232C>A | 3 |
| D38145 | D38145 | 601699 | GEN-4E3 | Human mRNA for 1646 prostacyclin synthase, complete cds | 1619T>C | 3 |
| D42108 | D42108 | 600597 | GEN-2U4 | Phospholipase C epsilon 1908 | 1705G>A | V569I |
| D42108 | D42108 | 600597 | GEN-2U4 | Phospholipase C epsilon 2864 | 2661G>A | S |
| D42108 | D42108 | 600597 | GEN-2U4 | Phospholipase C epsilon 4453 | 4250G>A | 3 |
| D45906 | D45906 | 601988 | GEN-2WP | Human mRNA for LIMK-2, complete cds | 1209G>C | S |

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| D45906 | D45906 | 601988 | GEN-2WP | Human mRNA for LIMK-2, complete cds | 1475 | 1361C>T | S454L |
| D49394 | D49394 | 182139 | GEN-5 | Serotonin 5-HT receptors 5-HT3 | 1914 | 1895C>G | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3378 | 3276G>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3755 | 3653G>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 3949 | 3847G>C | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 4368 | 4266T>A | 3 |
| D50678 | D50678 | 602600 | GEN-30Y | Human mRNA for apolipoprotein E receptor 2, complete cds | 4455 | 4353G>A | 3 |
| D67031 | D67031 | 601568 | GEN-3HA | Homo sapiens ADDL mRNA for adducin-like protein, complete cds | 1441 | 1258G>A | V420M |
| D67031 | D67031 | 601568 | GEN-3HA | Homo sapiens ADDL mRNA for adducin-like protein, complete cds | 2782 | 2599T>C | 3 |
| D87258 | D87258 | 602194 | GEN-42R | Homo sapiens mRNA for serin protease with IGF-binding motif, complete cds | 150 | 102C>T | S |
| D87461 | D87461 | 601931 | GEN-43N | Human mRNA for KIAA0271 gene, complete cds | 2432 | 2256C>A | 3 |
| D87812 | D87812 | 600528 | GEN-6 | Carnitine Palmitoyltransferase I (muscle) | 2363 | 2344T>C | 3 |
| D87845 | D87845 | 602344 | GEN-44C | Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds | 2299 | 2096G>A | 3 |
| D87845 | D87845 | 602344 | GEN-44C | Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds | 2332 | 2129A>G | 3 |

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|--------|--------|--------|---------|--|------|------------|---|
| D89078 | D89078 | 601531 | GEN-7 | complete cds | | | |
| D89078 | D89078 | 601531 | GEN-7 | P2Y7 purinoceptor | 434 | (-1284)A>T | 5 |
| D89078 | D89078 | 601531 | GEN-7 | P2Y7 purinoceptor | 889 | (-829)G>C | 5 |
| D89078 | D89078 | 601531 | GEN-7 | P2Y7 purinoceptor | 1156 | (-562)G>C | 5 |
| D89078 | D89078 | 601531 | GEN-7 | P2Y7 purinoceptor | 2644 | 927T>C | S |
| D89078 | D89078 | 601531 | GEN-7 | P2Y7 purinoceptor | 2920 | 1203A>G | 3 |
| LRP1 | D90070 | 107770 | GEN-466 | Human ATL-derived PMA-responsive (APR) peptide | 686 | 513T>G | 3 |
| D90187 | D90187 | 153622 | GEN-6M | mRNA | | | |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1414 | 1368T>G | 3 |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1532 | 1486A>G | 3 |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1558 | 1512G>A | 3 |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1599 | 1553A>G | 3 |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1642 | 1596T>C | 3 |
| D90187 | D90187 | 153622 | GEN-6M | Macrophage scavenger receptor 1 | 1689 | 1643G>C | 3 |
| D90228 | D90228 | 203750 | GEN-46A | ACAT1 | 547 | 471C>A | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1449 | 969C>T | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1449 | 969C>T | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1485 | 1005A>G | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1485 | 1005A>G | S |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1834 | 1354C>G | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 1834 | 1354C>G | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2228 | 1748G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2376 | 1896G>A | 3 |
| EDNRA | D90348 | 131243 | GEN-4DX | Endothelin Receptor Type A | 2764 | 2284G>A | 3 |

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| EDNRA | D90348 | 131243 | 4DX GEN- 4DX | Endothelin Receptor Type A | 2764 | 2284G>A | 3 |
| EDNRA | D90348 | 131243 | GEN- 4DX | Endothelin Receptor Type A | 2840 | 2360G>C | 3 |
| EDNRA | D90348 | 131243 | GEN- 4DX | Endothelin Receptor Type A | 2935 | 2455G>A | 3 |
| EDNRA | D90348 | 131243 | GEN- 4DX | Endothelin Receptor Type A | 3294 | 2814A>G | 3 |
| FGA | J00127 | 134820 | GEN-T3 4DX | Human fibrinogen alpha-chain mRNA, complete cds | 560 | 530T>A | 1177N |
| FGA | J00127 | 134820 | GEN-T3 | Human fibrinogen alpha-chain mRNA, complete cds | 1138 | 1108G>T | A370S |
| J00129 | J00129 | 134830 | GEN-T4 | Human fibrinogen beta-chain mRNA, partial cds | 543 | 543C>T | S |
| J00129 | J00129 | 134830 | GEN-T4 | Human fibrinogen beta-chain mRNA, partial cds | 1101 | 1101C>T | S |
| J00129 | J00129 | 134830 | GEN-T4 | Human fibrinogen beta-chain mRNA, partial cds | 1409 | 1409G>A | R470K |
| J00137 | J00137 | 306900 | GEN-IX | COAGULATION FACTOR IX | 581 | 580A>G | T194A |
| J00277 | J00277 | 190020 | GEN-MH8 | Human (genomic clones 81 lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence | 81 | 81T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 1931 | 1853T>C | V618A |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 6616 | 6538C>T | F |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 7014 | 6936T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 7623 | 7545T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 8294 | 8216C>T | P2739L |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 8625 | 8547T>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 10033 | 9955G>C | D3319H |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 10358 | 10280C>A | T3427K |

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| J02610 | J02610 | 107730 | GEN-6N | Ag(x) antigen) Apolipoprotein B (including Ag(x) antigen) | 10372 | 10294C>G | Q3432E |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11273 | 11195T>C | I3732T |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11705 | 11627C>T | A3876V |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11862 | 11784T>A | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 11923 | 11845T>C | F3949L |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12461 | 12383A>T | E4128V |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12476 | 12398G>C | G4133A |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12486 | 12408G>C | S |
| J02610 | J02610 | 107730 | GEN-6N | Apolipoprotein B (including Ag(x) antigen) | 12619 | 12541G>A | E4181K |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 676 | 615T>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 683 | 622T>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 701 | 640C>G | 3 |
| J02611 | J02611 | 107740 | GEN-6O | Human apolipoprotein D mRNA, complete cds | 745 | 684A>G | 3 |
| J03004 | J03004 | 139360 | GEN-79 | Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 | 758 | 681C>T | S |
| GNA11 | J03005 | 139370 | GEN-Z1 | Human alternative guanine nucleotide-binding regulatory protein (G) alpha-inhibitory-subunit mRNA, complete cds | 1437 | 1429G>A | 3 |
| J03019 | J03019 | 109630 | GEN-4D6 | Human beta-1-adrenergic receptor mRNA, complete cds | 503 | 417G>A | S |
| J03037 | J03037 | 259730 | GEN-Z1 | Carbonic anhydrase II | 627 | 562C>T | S |
| J03037 | J03037 | 259730 | GEN-Z1 | Carbonic anhydrase II | 1334 | 1269A>C | 3 |

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| J03037 | J03037 | 259730 | GEN-2I | Carbonic anhydrase II | 1487 | 1422A>C | 3 |
| J03048 | J03048 | 142290 | GEN-ZD | Huma hemopexin mRNA, 3' end | 244 | 244C>T | R82W |
| J03048 | J03048 | 142290 | GEN-ZD | Huma hemopexin mRNA, 3' end | 635 | 635G>A | R212K |
| J03225 | J03225 | 152310 | GEN-ZZ | Human lipoprotein-associated coagulation inhibitor mRNA, complete cds | 1189 | 1057G>A | 3 |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 932 | 380G>A | R127H |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1063 | 511G>A | A171T |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1190 | 638C>G | 3 |
| J03242 | J03242 | 147470 | GEN-PJ | Insulin-like growth factor 2 | 1201 | 649C>T | 3 |
| J03250 | J03250 | 172420 | GEN-C4 | DNA topoisomerase I | 160 | (-52)C>T | 5 |
| J03250 | J03250 | 172420 | GEN-C4 | DNA topoisomerase I | 590 | 379G>A | V127I |
| J03250 | J03250 | 172420 | GEN-C4 | DNA topoisomerase I | 1984 | 1773G>A | S |
| J03260 | J03260 | 139160 | GEN-7A | Guanine nucleotide binding protein (G protein), alpha z polypeptide | 1491 | 1479A>G | 3 |
| J03260 | J03260 | 139160 | GEN-7A | Guanine nucleotide binding protein (G protein), alpha z polypeptide | 2541 | 2529T>C | 3 |
| J03459 | J03459 | 151570 | GEN-8 | Leukotriene A4 hydrolase | 140 | 72G>T | S |
| J03459 | J03459 | 151570 | GEN-8 | Leukotriene A4 hydrolase | 1511 | 1443A>T | E481D |
| C7 | J03507 | 217070 | GEN-11R | Human complement protein component C7 mRNA, complete cds | 1951 | 1951G>A | V651I |
| C7 | J03507 | 217070 | GEN-11R | Human complement protein component C7 mRNA, complete cds | 3032 | 3032T>C | 3 |
| C7 | J03507 | 217070 | GEN-11R | Human complement protein component C7 mRNA, complete cds | 3634 | 3634A>G | 3 |
| C7 | J03507 | 217070 | GEN-11R | Human complement protein component C7 mRNA, complete cds | 3831 | 3831A>G | 3 |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 469 | 465T>G | S |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 595 | 591A>G | S |

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| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 648 | 644G>A | S215N |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 817 | 813C>T | S |
| LIPC | J03540 | 151670 | GEN-11J | Human hepatic lipase mRNA, complete cds | 1441 | 1437C>A | S |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 55 | 21C>T | S |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 304 | 270G>A | S |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 304 | 270G>A | S |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 959 | 925C>A | P309T |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 1762 | 1728A>T | S |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 2076 | 2042-2043AC>AC | 3 |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 2076 | 2042-2043delAC | F |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 2328 | 2294C>T | 3 |
| J03571 | J03571 | 152390 | GEN-9 | Lipoxygenases: 5- lipoxigenase (leukocytes) | 2376 | 2342T>G | 3 |
| J03853 | J03853 | 104250 | GEN-A | Adrenergic receptor, alpha 2c | 1202 | 1164C>T | S |
| J03853 | J03853 | 104250 | GEN-A | Adrenergic receptor, alpha 2c | 1237 | 1199T>G | I400S |
| J03853 | J03853 | 104250 | GEN-A | Adrenergic receptor, alpha 2c | 1372 | 1334C>G | P445R |
| J03853 | J03853 | 104250 | GEN-A | Adrenergic receptor, alpha 2c | 1379 | 1341C>T | S |
| C1S | J04080 | 120580 | GEN-13T | Complement C1S component precursor (C1 esterase) | 558 | 356G>A | R119H |
| C1S | J04080 | 120580 | GEN-13T | Complement C1S component precursor (C1 esterase) | 2140 | 1938A>T | K646N |
| C1S | J04080 | 120580 | GEN-13T | Complement C1S component precursor (C1 esterase) | 2234 | 2032A>T | T678S |

| C1S | J04080 | 120580 | GEN-13T | Complement C1S component precursor (C1 esterase) | 2333 | 2131G>T | 3 |
|--------|--------|--------|---------|--|------|-----------------|---------------------|
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 501 | 479A>G | N160S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 604 | 582C>T | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 803 | 781G>T | A261S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1042 | 1020C>T | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1535 | 1513-1515CCT>CC | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1535 | 1513-1515delCCT | [P505V;50 6-505del] |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 1797 | 1775A>G | D592G |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2215 | 2193G>A | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2350 | 2328A>G | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 2505 | 2483T>C | M828T |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 3409 | 3387T>C | S |
| J04144 | J04144 | 106180 | GEN-2L | Angiotensin-converting enzyme (ACE) | 3409 | 3387T>C | S |
| C6 | J05064 | 217050 | GEN-16S | Human complement component C6 mRNA, complete cds | 3281 | 3126G>A | 3 |
| J05096 | J05096 | 182340 | GEN-SL | alpha-subunit of Na+/K+ ATPase isoform2 | 2364 | 2260T>G | S754A |
| J05096 | J05096 | 182340 | GEN-SL | alpha-subunit of Na+/K+ ATPase isoform2 | 5295 | 5191G>A | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3' end | 2314 | 2314C>T | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3' end | 2316 | 2316G>T | 3 |
| J05158 | J05158 | 603104 | GEN-173 | Human carboxypeptidase N mRNA, 3' end | 2332 | 2332G>T | 3 |

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| J05158 | J05158 | 603104 | GEN-173 | N mRNA, 3' end Human carboxypeptidase | 2541 | 2541G>A | 3 |
| J05158 | J05158 | 603104 | GEN-173 | N mRNA, 3' end Human carboxypeptidase | 2651 | 2651C>T | 3 |
| J05480 | J05480 | 114105 | GEN-D | N mRNA, 3' end Calcineurin A | 834 | 834A>G | 3 |
| M6PR | J05550 | 153618 | GEN-180 | Human mannose receptor | 4890 | 4787T>A | 3 |
| J05594 | J05594 | 601688 | GEN-E | mRNA, complete cds Prostaglandin 15-OH | 173 | 158A>G | S |
| J05594 | J05594 | 601688 | GEN-E | dehydrogenase (PGDH) Prostaglandin 15-OH | 913 | 896C>G | 3 |
| J05594 | J05594 | 601688 | GEN-E | dehydrogenase (PGDH) Prostaglandin 15-OH | 950 | 933G>A | 3 |
| J05594 | J05594 | 601688 | GEN-E | dehydrogenase (PGDH) Prostaglandin 15-OH | 1448 | 1431G>A | 3 |
| J05594 | J05594 | 601688 | GEN-E | dehydrogenase (PGDH) Prostaglandin 15-OH | 1972 | 1955T>C | 3 |
| J05594 | J05594 | 601688 | GEN-E | dehydrogenase (PGDH) Prostaglandin 15-OH | 1972 | 1955T>C | 3 |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E (epsilon 2 and 3 alleles) | 112 | 52G>A | A18T |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 121 | 61G>A | E21K |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 151 | 91G>A | E31K |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 197 | 137T>C | L46P |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 204 | 144delG | F |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 238 | 178A>G | T60A |
| K00396 | K00396 | 107741 | GEN-P0 | mRNA Human apolipoprotein E (epsilon 2 and 3 alleles) | 365 | 305C>G | P102R |

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| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 409 (epsilon 2 and 3 alleles) mRNA | 349G>A | A117T |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 448 (epsilon 2 and 3 alleles) mRNA | 388T>C | C130R |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 494 (epsilon 2 and 3 alleles) mRNA | 434G>A | G145D |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 515 (epsilon 2 and 3 alleles) mRNA | 455G>A | R152Q |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 520 (epsilon 2 and 3 alleles) mRNA | 460C>A | R154S |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 538 (epsilon 2 and 3 alleles) mRNA | 478C>T | R160C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 547 (epsilon 2 and 3 alleles) mRNA | 487C>T | R163C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 548 (epsilon 2 and 3 alleles) mRNA | 488G>A | R163H |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 550 (epsilon 2 and 3 alleles) mRNA | 490A>G | K164E |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 586 (epsilon 2 and 3 alleles) mRNA | 526C>T | R176C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 586 (epsilon 2 and 3 alleles) mRNA | 526C>T | R176C |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 743 (epsilon 2 and 3 alleles) mRNA | 683G>A | F |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 785 (epsilon 2 and 3 alleles) mRNA | 725G>A | R242Q |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 796 (epsilon 2 and 3 alleles) mRNA | 736C>T | R246C |

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| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 821 (epsilon 2 and 3 alleles) mRNA | 761T>A | V254E |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 865 (epsilon 2 and 3 alleles) mRNA | 805C>G | R269G |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 935 (epsilon 2 and 3 alleles) mRNA | 875G>A | R292H |
| K00396 | K00396 | 107741 | GEN-P0 | Human apolipoprotein E 1000 (epsilon 2 and 3 alleles) mRNA | 940A>C | S314R |
| K01911 | K01911 | 162640 | GEN-2O | Neuropeptide Y 236 | 150G>A | S |
| K01911 | K01911 | 162640 | GEN-2O | Neuropeptide Y 290 | 204C>T | S |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 659 mRNA, complete CDS | 620C>T | T207M |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 842 mRNA, complete CDS | 803T>C | M268T |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 1155 mRNA, complete CDS | 1116G>A | S |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 1476 mRNA, complete CDS | 1437C>A | S |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 1821 mRNA, complete CDS | 1782G>A | 3 |
| AGT | K02215 | 106150 | GEN-WK | Human angiotensinogen 2053 mRNA, complete CDS | 2014A>C | 3 |
| K02286 | K02286 | 191840 | GEN-SQ | Human urokinase gene, 3 260 end | 260C>G | A87G |
| K02286 | K02286 | 191840 | GEN-SQ | Human urokinase gene, 3 449 end | 449G>C | +150S |
| K02286 | K02286 | 191840 | GEN-SQ | Human urokinase gene, 3 887 end | 887A>G | Y296C |
| K02286 | K02286 | 191840 | GEN-SQ | Human urokinase gene, 3 902 end | 902C>A | P301H |
| K02286 | K02286 | 191840 | GEN-SQ | Human urokinase gene, 3 905 end | 905A>G | N302S |
| KNG | K02566 | 228960 | GEN-X2 | Human alpha-2-thiol proteinase inhibitor mRNA, complete coding sequence | 1199C>A | T400K |
| K02765 | K02765 | 120700 | GEN-XM | Human complement 1001 | 941T>C | L314P |

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| K02765 | K02765 | 120700 | GEN-XM | component C3 mRNA, alpha and beta subunits, complete cds | 2575 | 2515G>A | V839I |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 3108 | 3048C>T | S |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 3561 | 3501C>G | S |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 4371 | 4311C>T | S |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 4544 | 4484C>A | P1495Q |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 4938 | 4878T>C | S |
| K02765 | K02765 | 120700 | GEN-XM | Human complement component C3 mRNA, alpha and beta subunits, complete cds | 4956 | 4896T>C | S |
| K02770 | K02770 | 147720 | GEN-5M | complete cds | 19 | (-68)A>C | 5 |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 26 | (-61)A>C | 5 |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 48 | (-39)C>T | 5 |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 114 | 28G>A | E10K |
| K02770 | K02770 | 147720 | GEN-5M | Interleukin 1, beta | 119 | 33G>A | M11I |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 71 | 72C>T | 3 |
| L00352 | L00352 | 143890 | GEN- | Human low density | 103 | 104G>A | 3 |

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|--------|---------|--------|-----|--|------|---------|---|
| L00352 | L00352 | 143890 | 2S8 | lipoprotein receptor gene, exon 18 | | | |
| | GEN-2S8 | | | Human low density lipoprotein receptor gene, exon 18 | 716 | 717C>T | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 881 | 882G>A | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1180 | 1181A>G | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1186 | 1187C>G | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1187 | 1188T>G | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1191 | 1192G>A | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1222 | 1223G>A | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1223 | 1224C>T | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1224 | 1225G>A | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1227 | 1228T>C | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1234 | 1235T>C | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1252 | 1253A>T | 3 |
| L00352 | L00352 | 143890 | 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1268 | 1269A>C | 3 |

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| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1268 | 1269A>T | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1279 | 1280C>T | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1280 | 1281G>A | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1308 | 1309C>T | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1309 | 1310G>A | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1316 | 1317G>A | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1320 | 1321T>C | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1345 | 1346G>A | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1368 | 1369T>C | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1376 | 1377C>T | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1383 | 1384C>T | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1406 | 1407T>C | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1418 | 1419G>C | 3 |
| L00352 | L00352 | 143890 | GEN- 2S8 | Human low density lipoprotein receptor gene, exon 18 | 1428 | 1429T>C | 3 |

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| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1453 | 1454C>T | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 1796 | 1797T>C | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 2108 | 2109G>A | 3 |
| L00352 | L00352 | 143890 | GEN-2S8 | Human low density lipoprotein receptor gene, exon 18 | 2490 | 2491A>C | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 1022 | 1023T>C | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 2001 | 2002C>T | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 2278 | 2279G>A | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 2358 | 2359G>C | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 2524 | 2525T>C | 3 |
| CBS | L00972 | 236200 | GEN-UV | Human cystathionine-beta-synthase (CBS) mRNA | 2545 | 2546C>T | 3 |
| L01087 | L01087 | 600448 | GEN-CM | Protein kinase C-theta | 1940 | 1846C>A | S |
| L01087 | L01087 | 600448 | GEN-CM | Protein kinase C-theta | 1943 | 1849G>A | E617K |
| L05186 | L05186 | 600758 | GEN-174 | Homo sapiens focal adhesion kinase mRNA, complete cds | 2564 | 2550C>T | S |
| L05485 | L05485 | 178635 | GEN-MJL | Surfactant, pulmonary-associated protein D | 921 | 918T>C | S |
| L05597 | L05597 | None | GEN-4EV | Serotonin 5-HT receptors | 824 | 600T>C | S |
| L05597 | L05597 | None | GEN-4EV | Serotonin 5-HT receptors | 1010 | 786^787insA [H262Q,26 ATAAAAATTC 2^263insl AT KFI] | |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 88 | (-146)A>G | 5 |

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| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 332 | 99C>T | S |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 1064 | 831G>A | S |
| EDNRB | L06623 | 131244 | GEN-19S | Endothelin Receptor Type B | 1064 | 831G>A | S |
| EHHADH | L07077 | 261515 | GEN-1DF | Human enoyl-CoA hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats | 1225 | 1218G>A | S |
| EHHADH | L07077 | 261515 | GEN-1DF | Human enoyl-CoA hydratase 3-hydroxyacyl-CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats | 1823 | 1816C>A | P606T |
| ADD1 | L07261 | 102680 | GEN-1DJ | Human alpha adducin mRNA, partial cds including alternate exons A and B | 1852 | 1853C>G | 3 |
| TGFB3 | L07594 | 600742 | GEN-1EA | Human transforming growth factor-beta type III receptor (TGF-beta) mRNA, complete cds | 3966 | 3618G>C | 3 |
| L07861 | L07861 | 176977 | GEN-D0 | Protein kinase C, delta | 445 | 387G>A | S |
| L07861 | L07861 | 176977 | GEN-D0 | Protein kinase C, delta | 1835 | 1777G>A | V593M |
| CCKBR | L08112 | 118445 | GEN-1FL | Cholecystokinin (CCKb) | 456 | 456G>A | S |
| FACL1 | L09229 | 152425 | GEN-1GI | Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds | 3026 | 2953G>A | 3 |
| FACL1 | L09229 | 152425 | GEN-1GI | Human long-chain acyl-coenzyme A synthetase (FACL1) mRNA, complete cds | 3083 | 3010G>A | 3 |
| L10819 | L10819 | 171150 | GEN-LVD | Homo sapiens aryl sulfotransferase mRNA, complete cds | 191 | 153C>T | S |
| L10819 | L10819 | 171150 | GEN-LVD | Homo sapiens aryl sulfotransferase mRNA, complete cds | 200 | 162G>A | S |

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| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 230 sulfotransferase mRNA, | 192T>C | S |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 242 sulfotransferase mRNA, | 204G>A | S |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 295 sulfotransferase mRNA, | 257C>T | A86V |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 330 sulfotransferase mRNA, | 292G>A | D98N |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 338 sulfotransferase mRNA, | 300G>A | S |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 638 sulfotransferase mRNA, | 600C>G | S |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 676 sulfotransferase mRNA, | 638A>G | H213R |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 940 sulfotransferase mRNA, | 902G>A | 3 |
| L10819 | L10819 | 171150 | GEN- LVD | complete cds Homo sapiens aryl 1011 sulfotransferase mRNA, | 973T>C | 3 |
| C4BPB | L11244 | 120831 | GEN- 1K2 | complete cds Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds | 204G>A | S |
| C4BPB | L11244 | 120831 | GEN- 1K2 | Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds | 462C>T | S |
| C4BPB | L11244 | 120831 | GEN- 1K2 | Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds | 624C>A | S |
| L11669 | L11669 | 102680 | GEN- 1KW | Human tetracycline transporter-like protein mRNA, complete cds | 424G>A | A142T |
| L11669 | L11669 | 102680 | GEN- | Human tetracycline 980 | 860C>T | S287L |

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| L11669 | L11669 | 102680 | 1KW | transporter-like protein mRNA, complete cds | 1293 | 1173G>A | S |
| MDCR | L13385 | 601545 | GEN-1KW | Human tetracycline transporter-like protein mRNA, complete cds | 1467 | 1250C>T | 3 |
| MDCR | L13385 | 601545 | GEN-1O6 | Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds | 1868 | 1651C>T | 3 |
| MDCR | L13385 | 601545 | GEN-1O6 | Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds | 1917 | 1700C>T | 3 |
| MDCR | L13385 | 601545 | GEN-1O6 | Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds | 2962 | 2745G>T | 3 |
| MDCR | L13385 | 601545 | GEN-1O6 | Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds | 4589 | 4372G>A | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1410 | 1411T>A | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1646 | 1647C>G | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1650 | 1651G>C | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 1677 | 1678C>G | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 2222 | 2223C>T | 3 |
| L13436 | L13436 | 108961 | GEN-2Q | guanylate cyclase | 2444 | 2445C>T | 3 |
| L13977 | L13977 | 176785 | GEN-1PX | Human 2009 prolylcarboxypeptidase mRNA, complete cds | 1980T>C | | 3 |
| BF | L15702 | 138470 | GEN-1UA | Human complement factor B mRNA, complete cds | 135 | 95A>G | Q32R |
| PRKCI | L18964 | 300094 | GEN-21N | Human protein kinase C iota isoform (PRKCI) mRNA, complete cds | 573 | 309T>G | S |
| L19182 | L19182 | 602867 | GEN- | Human MAC25 mRNA, 297 | 284G>A | | R95K |

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| L19956 | L19956 | 600641 | 21Z GEN- LVE | complete cds Human aryl 243 sulfotransferase mRNA, | 105A>G | S |
| L19956 | L19956 | 600641 | GEN- LVE | complete cds Human aryl 284 sulfotransferase mRNA, | 146C>T | S49F |
| L20463 | L20463 | 600445 | GEN-M | complete cds G-protein coupled 1671 adenosine A3 receptor | 1380A>G | 3 |
| VLDLR | L20470 | 192977 | GEN- 23D | Human very low density 336 lipoprotein receptor mRNA, | (-56)C>T | 5 |
| VLDLR | L20470 | 192977 | GEN- 23D | complete cds Human very low density 3566 lipoprotein receptor mRNA, | 3175T>C | 3 |
| L22214 | L22214 | 102775 | GEN-2S | complete cds Adenosine A1 receptor 557 (ADORA1) | 147G>C | S |
| L22214 | L22214 | 102775 | GEN-2S | Adenosine A1 receptor 2622 (ADORA1) | 2212G>A | 3 |
| L22473 | L22473 | 600040 | GEN- L9D | Human Bax alpha mRNA, 552 complete cds | 552G>A | S |
| SLC6A3 | L24178 | 126455 | GEN-283 | Homo sapiens dopamine 1917 transporter mRNA, | 1898C>T | 3 |
| L24470 | L24470 | 600563 | GEN-O | complete cds PROSTAGLANDIN F 1422 RECEPTOR | 1185T>C | 3 |
| L24470 | L24470 | 600563 | GEN-O | PROSTAGLANDIN F 1490 RECEPTOR | 1253C>T | 3 |
| L24470 | L24470 | 600563 | GEN-O | PROSTAGLANDIN F 1517 RECEPTOR | 1280A>G | 3 |
| L24470 | L24470 | 600563 | GEN-O | PROSTAGLANDIN F 2244 RECEPTOR | 2007A>G | 3 |
| L24470 | L24470 | 600563 | GEN-O | PROSTAGLANDIN F 2299 RECEPTOR | 2062A>G | 3 |
| L26232 | L26232 | 172425 | GEN- 2AK | Human phospholipid 906 transfer protein mRNA, | 819C>T | S |
| L26232 | L26232 | 172425 | GEN- 2AK | complete cds Human phospholipid 1547 transfer protein mRNA, | 1460C>A | T487K |
| L27624 | L27624 | 600033 | GEN- | complete cds Homo sapiens tissue factor 213 | 175C>G | Q59E |

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| L27624 | L27624 | 600033 | 2C8 | pathway inhibitor-2 mRNA, complete cds | 219C>A | S |
| L27624 | L27624 | 600033 | GEN-2C8 | Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds | 257G>T | C86F |
| L27624 | L27624 | 600033 | GEN-2C8 | Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds | 396G>A | S |
| L27624 | L27624 | 600033 | GEN-2C8 | Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds | 398A>T | N133I |
| L27624 | L27624 | 600033 | GEN-2C8 | Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds | 763G>A | 3 |
| L27624 | L27624 | 600033 | GEN-2C8 | Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds | 847C>A | 3 |
| PTGER2 | L28175 | 601586 | GEN-7C | Prostaglandin E receptor 2 (subtype EP2), 53kD | 159C>T | S |
| PTGER2 | L28175 | 601586 | GEN-7C | Prostaglandin E receptor 2 (subtype EP2), 53kD | 223G>A | V75M |
| PTGER2 | L28175 | 601586 | GEN-7C | Prostaglandin E receptor 2 (subtype EP2), 53kD | 1337A>G | Q446R |
| L31773 | L31773 | 104220 | GEN-4DD | Adrenergic receptor alpha 1b | 171C>T | S |
| L31773 | L31773 | 104220 | GEN-4DD | Adrenergic receptor alpha 1b | 534C>T | S |
| L31773 | L31773 | 104220 | GEN-4DD | Adrenergic receptor alpha 1b | 549G>A | S |
| L34357 | L34357 | 600576 | GEN-KV3 | Homo sapiens GATA-4 mRNA, complete cds | 1756T>C | 3 |
| L34357 | L34357 | 600576 | GEN-KV3 | Homo sapiens GATA-4 mRNA, complete cds | 1893C>G | 3 |
| L36566 | L36566 | 601970 | GEN-2N5 | Human helodermin-preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds | 1235A>G | H412R |
| L36566 | L36566 | 601970 | GEN- | Human helodermin-1440 | 1278A>C | S |

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|--------|--------|--------|---------|--|------|-----------|-------|
| NRAMP2 | L37347 | 600523 | 2N5 | preferring VIP receptor (VIP2/PACAP receptor) mRNA, complete cds | 1092 | 1083C>T | S |
| L38969 | L38969 | None | GEN-2O6 | Human integral membrane protein (Nramp2) mRNA, partial | 2968 | 2947C>T | 3 |
| L41147 | L41147 | 601109 | GEN-2T | Homo sapiens 2968 thrombospondin 3 (THBS3) gene, complete cds | 287 | (-181)C>T | 5 |
| L41147 | L41147 | 601109 | GEN-2T | Serotonin 5-HT receptors 5-HT6 | 1718 | 1251C>T | S |
| L48513 | L48513 | 602447 | GEN-2YD | Homo sapiens 460 paraoxonase 2 (PON2) mRNA, complete cds | 598 | 443C>G | A148G |
| L48513 | L48513 | 602447 | GEN-2YD | Homo sapiens 598 paraoxonase 2 (PON2) mRNA, complete cds | 949 | 581G>A | G194E |
| L48513 | L48513 | 602447 | GEN-2YD | Homo sapiens 949 paraoxonase 2 (PON2) mRNA, complete cds | 4019 | 932G>C | C311S |
| L78207 | L78207 | 600509 | GEN-5Q | Cell surface receptor for sulfonyleureas on pancreatic b cells | 2757 | 3981A>G | S |
| M10051 | M10051 | 147670 | GEN-2V | Insulin receptor | 4391 | 2619G>A | S |
| M10051 | M10051 | 147670 | GEN-2V | Insulin receptor | 193 | 4253G>A | 3 |
| M11146 | M11146 | 134770 | GEN-Q7 | Human ferritin H chain mRNA, complete cds | 326 | 116C>T | S39F |
| M11146 | M11146 | 134770 | GEN-Q7 | Human ferritin H chain mRNA, complete cds | 628 | 249T>G | S |
| M11146 | M11146 | 134770 | GEN-Q7 | Human ferritin H chain mRNA, complete cds | 630 | 551A>T | F |
| M11146 | M11146 | 134770 | GEN-Q7 | Human ferritin H chain mRNA, complete cds | 652 | 553G>A | 3 |
| FTL | M11147 | 134790 | GEN-1JZ | Human ferritin L chain mRNA, complete cds | 180 | 29C>A | S10Y |
| FTL | M11147 | 134790 | GEN-1JZ | Human ferritin L chain | 240 | 89C>A | T30N |

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|--------|--------|--------|---------|--|---------|-------|
| FTL | M11147 | 134790 | GEN-1JZ | mRNA, complete cds | 163C>T | S |
| | | | | Human ferritin L chain 314 | | |
| FTL | M11147 | 134790 | GEN-1JZ | mRNA, complete cds | 189C>A | F |
| | | | | Human ferritin L chain 340 | | |
| FTL | M11147 | 134790 | GEN-1JZ | mRNA, complete cds | 224G>A | G75D |
| | | | | Human ferritin L chain 375 | | |
| FTL | M11147 | 134790 | GEN-1JZ | mRNA, complete cds | 600T>G | 3 |
| | | | | Human ferritin L chain 751 | | |
| TF | M12530 | 190000 | GEN-1MK | mRNA, complete cds | 624G>A | S |
| | | | | Human transferrin mRNA, 654 | | |
| TF | M12530 | 190000 | GEN-1MK | complete cds | 738C>G | C246W |
| | | | | Human transferrin mRNA, 768 | | |
| TF | M12530 | 190000 | GEN-1MK | complete cds | 1417G>T | V473F |
| | | | | Human transferrin mRNA, 1447 | | |
| TF | M12530 | 190000 | GEN-1MK | complete cds | 1572G>C | S |
| | | | | Human transferrin mRNA, 1602 | | |
| TF | M12530 | 190000 | GEN-1MK | complete cds | 1602C>T | S |
| | | | | Human transferrin mRNA, 1632 | | |
| TF | M12530 | 190000 | GEN-1MK | complete cds | 1765C>T | P589S |
| | | | | Human transferrin mRNA, 1795 | | |
| | | | | complete cds | | |
| M12674 | M12674 | 133430 | GEN-7Z | Estrogen receptor 1267 | 975C>G | S |
| M12783 | M12783 | 190040 | GEN-QF | Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, 1896 | 804T>C | 3 |
| | | | | complete cds | | |
| M12783 | M12783 | 190040 | GEN-QF | Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, 2148 | 1056T>C | 3 |
| | | | | complete cds | | |
| M12783 | M12783 | 190040 | GEN-QF | Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, 2250 | 1158G>A | 3 |
| | | | | complete cds | | |
| M13686 | M13686 | 178630 | GEN-1P1 | Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A 144 | 56C>T | A19V |
| | | | | Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A 341 | | |
| M13686 | M13686 | 178630 | GEN-1P1 | Human pulmonary surfactant-associated protein mRNA, complete cds, clone MPSAP-6A 341 | 253T>C | C85R |

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|--------|--------|--------|---------|---|------|---------|-------|
| M13686 | M13686 | 178630 | GEN-1P1 | cds, clone MPSAP-6A Human pulmonary surfactant-associated protein mRNA, complete | 370 | 282G>A | S |
| M13686 | M13686 | 178630 | GEN-1P1 | cds, clone MPSAP-6A Human pulmonary surfactant-associated protein mRNA, complete | 430 | 342T>C | S |
| M13686 | M13686 | 178630 | GEN-1P1 | cds, clone MPSAP-6A Human pulmonary surfactant-associated protein mRNA, complete | 694 | 606C>T | S |
| M13686 | M13686 | 178630 | GEN-1P1 | cds, clone MPSAP-6A Human pulmonary surfactant-associated protein mRNA, complete | 736 | 648C>T | S |
| M13686 | M13686 | 178630 | GEN-1P1 | cds, clone MPSAP-6A Human pulmonary surfactant-associated protein mRNA, complete | 883 | 795C>G | 3 |
| C1NH | M13690 | 106100 | GEN-1P6 | cds, clone MPSAP-6A Human plasma protease (C1) inhibitor mRNA, complete cds | 1475 | 1438G>A | V480M |
| C1NH | M13690 | 106100 | GEN-1P6 | Human plasma protease (C1) inhibitor mRNA, complete cds | 1595 | 1558C>T | 3 |
| C1NH | M13690 | 106100 | GEN-1P6 | Human plasma protease (C1) inhibitor mRNA, complete cds | 1714 | 1677A>C | 3 |
| ALAD | M13928 | 125270 | GEN-1Q2 | Human delta-aminolevulinatase dehydratase mRNA, complete cds | 234 | 168T>C | S |
| ALAD | M13928 | 125270 | GEN-1Q2 | Human delta-aminolevulinatase dehydratase mRNA, complete cds | 480 | 414C>T | S |
| ALAD | M13928 | 125270 | GEN-1Q2 | Human delta-aminolevulinatase dehydratase mRNA, complete cds | 784 | 718C>T | R240W |

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|--------|--------|--------|---------|---|------|------------|-------|
| BCL2 | M13994 | 151430 | GEN-1Q9 | complete cds Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds | 1744 | 286G>A | A96T |
| BCL2 | M13994 | 151430 | GEN-1Q9 | Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds | 1786 | 328G>C | G110R |
| BCL2 | M13994 | 151430 | GEN-1Q9 | Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds | 2959 | 1501A>G | 3 |
| UROD | M14016 | 176100 | GEN-1QM | Human uroporphyrinogen decarboxylase mRNA, complete cds | 248 | 230C>T | P77L |
| UROD | M14016 | 176100 | GEN-1QM | Human uroporphyrinogen decarboxylase mRNA, complete cds | 850 | 832G>T | F |
| C1R | M14058 | 216950 | GEN-1QJ | Human complement C1r mRNA, complete cds | 1519 | 1456C>T | R486C |
| M14113 | M14113 | 306700 | GEN-5T | Factor VIII | 8899 | 8728G>A | 3 |
| ARG1 | M14502 | 207800 | GEN-1RE | Human liver arginase mRNA, complete cds | 800 | 744C>T | S |
| M14539 | M14539 | 134570 | GEN-QP | Human factor XIII subunit a mRNA, 3 end | 1781 | 1781C>T | P594L |
| M14539 | M14539 | 134570 | GEN-QP | Human factor XIII subunit a mRNA, 3 end | 2041 | 2041C>G | Q681E |
| M14539 | M14539 | 134570 | GEN-QP | Human factor XIII subunit a mRNA, 3 end | 2412 | 2412C>T | 3 |
| M14539 | M14539 | 134570 | GEN-QP | Human factor XIII subunit a mRNA, 3 end | 2446 | 2446G>A | 3 |
| M14539 | M14539 | 134570 | GEN-QP | Human factor XIII subunit a mRNA, 3 end | 3282 | 3282G>T | 3 |
| M14565 | M14565 | 118485 | GEN-30 | Cytochrome P450, 947 subfamily XIA (cholesterol side chain cleavage) | 947 | 903G>C | M301I |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 466 | (-1122)C>G | 5 |

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|--------|--------|--------|---------|---|------|------------|-------|
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 565 | (-1023)G>A | 5 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1182 | (-406)C>T | 5 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1221 | (-367)C>T | 5 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1326 | (-282)G>A | 5 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1541 | (-47)C>T | 5 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1633 | 46A>G | R16G |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1633 | 46A>G | R16G |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1666 | 79C>G | Q27E |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1666 | 79C>G | Q27E |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1666 | 79C>G | Q27E |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1687 | 100G>A | V34M |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 1839 | 252G>A | S |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2110 | 523C>A | S |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2640 | 1053G>C | S |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2826 | 1239G>A | S |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2862 | 1275C>G | 3 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2864 | 1277C>A | 3 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 2865 | 1278C>A | 3 |
| M15169 | M15169 | 109690 | GEN-T | Beta2 Adrenergic Receptor | 3371 | 1784A>T | 3 |
| PCNA | M15796 | 176740 | GEN-1UE | Human cyclin protein gene, complete cds | 1063 | 945C>G | 3 |
| DAF | M15799 | 125240 | GEN-1UD | Human complement decay-accelerating factor (DAF) mRNA; 3' end | 1160 | 1160A>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 136 | (-39)T>C | 5 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 280 | 106G>A | D36N |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 438 | 264T>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 447 | 273G>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 474 | 300C>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 480 | 306A>C | R102S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 511 | 337T>C | W113R |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 571 | 397C>T | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 680 | 506G>A | G169E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 722 | 548A>G | D183G |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 770 | 596C>G | S199C |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 781 | 607G>A | A203T |

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|--------|--------|--------|--------|--|------|---------|-------|
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 795 | 621C>G | D207E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 818 | 644G>A | G215E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 836 | 662T>C | I221T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 839 | 665G>A | G222E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 843 | 669C>T | S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 867 | 693C>G | D231E |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 875 | 701C>T | P234L |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 916 | 742delG | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 983 | 809G>A | R270H |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 985 | 811T>A | S271T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1003 | 829G>A | D277N |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1127 | 953A>G | N318S |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1255 | 1081G>A | A361T |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1348 | 1174C>G | L392V |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1401 | 1227G>A | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1508 | 1334G>A | C445Y |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1553 | 1379C>T | A460V |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1595 | 1421C>G | F |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1611 | 1437G>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 1973 | 1799T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2428 | 2254T>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2743 | 2569T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2851 | 2677A>G | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2851 | 2677A>G | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 2958 | 2784G>A | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3017 | 2843T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3272 | 3098T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3272 | 3098T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3343 | 3169T>C | 3 |
| M15856 | M15856 | 238600 | GEN-33 | Lipoprotein lipase | 3447 | 3273C>T | 3 |
| M16006 | M16006 | 173360 | GEN-34 | Tissue Plasminogen activator inhibitor, type I | 124 | 49G>A | V17I |
| M16006 | M16006 | 173360 | GEN-34 | Tissue Plasminogen activator inhibitor, type I | 411 | 336T>C | S |
| M16006 | M16006 | 173360 | GEN-34 | Tissue Plasminogen activator inhibitor, type I | 1645 | 1570T>C | 3 |

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| M16006 | M16006 | 173360 | GEN-34 | Tissue Plasminogen activator inhibitor, type I | 1974 | 1899T>C | 3 |
| M16006 | M16006 | 173360 | GEN-34 | Tissue Plasminogen activator inhibitor, type I | 2006 | 1931T>G | 3 |
| M16405 | M16405 | None | GEN-4ES | Muscarinic receptor, CHRM4 | 2138 | 1338C>T | S |
| M16405 | M16405 | None | GEN-4ES | Muscarinic receptor, CHRM4 | 2409 | 1609G>A | 3 |
| M16538 | M16538 | 139390 | GEN-1Y8 | Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds | 867 | 720C>T | S |
| M16538 | M16538 | 139390 | GEN-1Y8 | Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds | 1270 | 1123G>T | 3 |
| M16538 | M16538 | 139390 | GEN-1Y8 | Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete cds | 1388 | 1241C>T | 3 |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 422 | 293A>G | D98G |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 557 | 428G>A | G143D |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 564 | 435-436TT>AG>A | F146V |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 568 | 439C>T | F |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 596 | 467A>G | Y156C |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 941 | 812C>T | T271M |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 961 | 832A>C | T278P |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 978 | 849G>C | E283D |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1201 | 1072T>A | L358I |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1306 | 1177G>A | G393R |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1382 | 1253G>T | G418V |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1549 | 1420T>G | F474V |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1564 | 1435G>T | F |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1703 | 1574A>T | E525V |

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| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1756 | 1627C>T | R543C |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1828 | 1699G>A | A567T |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 1828 | 1699G>A | A567T |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 2127 | 1998A>G | 3 |
| M16541 | M16541 | 177400 | GEN-35 | Butyrylcholinesterase | 2127 | 1998A>G | 3 |
| M16660 | M16660 | 140571 | GEN-1YC | Human 90-kDa heat-shock protein gene, cDNA, complete cds | 825 | 741G>A | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 175 | (-42)C>G | 5 |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 754 | 538A>G | 1180V |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 938 | 722C>T | A241V |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1221 | 1005delC | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1591 | 1375delT | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1713 | 1497C>T | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 1825 | 1609C>T | F |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 2438 | 2222T>G | V741G |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 2730 | 2514G>A | S |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 5243 | 5027T>A | 3 |
| M16801 | M16801 | 600983 | GEN-36 | Mineralocorticoid receptor (aldosterone receptor) | 5645 | 5429G>A | 3 |
| M16827 | M16827 | 201450 | GEN-EI | Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain | 1956 | 1938T>C | 3 |
| F5 | M16967 | 227400 | GEN-128 | Human coagulation factor V mRNA, complete cds | 2391 | 2301G>A | S |
| F5 | M16967 | 227400 | GEN-128 | Human coagulation factor V mRNA, complete cds | 2663 | 2573G>A | R858K |
| F5 | M16967 | 227400 | GEN-128 | Human coagulation factor V mRNA, complete cds | 2684 | 2594G>A | R865H |
| F5 | M16967 | 227400 | GEN-128 | Human coagulation factor V mRNA, complete cds | 5380 | 5290G>A | V1764M |

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|--------|--------|--------|----------------|---|------|---------|-------|
| C8B | M16973 | 120960 | 128 GEN-1ZA | V mRNA, complete cds Human complement protein C8 beta subunit mRNA, complete cds | 1860 | 1833C>T | 3 |
| M17262 | M17262 | 176930 | GEN-SM | Human prothrombin (F2) gene, complete cds, and Alu and KpnI repeats | 511 | 480C>T | S |
| C8G | M17999 | 120930 | GEN-20Y | Human complement component C8-gamma mRNA, complete cds | 193 | 132T>G | S |
| M18112 | M18112 | 173870 | GEN-EK | ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) | 2424 | 2285T>C | V762A |
| M18112 | M18112 | 173870 | GEN-EK | ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) | 2679 | 2540G>T | R847L |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 391 | 378G>A | S |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 499 | 486C>T | S |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 514 | 501C>T | S |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 1822 | 1809G>A | 3 |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 1977 | 1964A>G | 3 |
| M18182 | M18182 | 173370 | GEN-37 | Tissue Plasminogen activator, tissue type (t-PA) | 2161 | 2148G>C | 3 |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 995 | 633G>A | S |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 1385 | 1023T>C | S |
| M20132 | M20132 | 313700 | GEN-38 | Androgen receptor (dihydrotestosterone receptor) | 1786 | 1424G>A | G475E |
| M20137 | M20137 | 147740 | GEN-CCJ | Human interleukin 3 (IL-3) mRNA, complete cds, clone pCD-SR-alpha | 132 | 79C>T | P27S |
| M20560 | M20560 | 106490 | GEN-39 | Lipocortin III (Annexin III) | 1057 | 1011C>T | 3 |

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| M20560 | M20560 | 108490 | GEN-39 | Lipocortin III (Annexin III) | 1302 | 1256C>A | 3 |
| M20566 | M20566 | 147880 | GEN-3A | Interleukin 6A | 3058 | 2621A>T | 3 |
| M21054 | M21054 | 172410 | GEN-3B | Phospholipase A-2 (PLA-2) | 331 | 294G>A | S |
| M21054 | M21054 | 172410 | GEN-3B | Phospholipase A-2 (PLA-2) | 400 | 363C>A | D121E |
| CYBA | M21186 | 233690 | GEN-24I | Human neutrophil cytochrome b light chain p22 phagocyte b- cytochrome mRNA, complete cds | 242 | 214C>T | H72Y |
| CYBA | M21186 | 233690 | GEN-24I | Human neutrophil cytochrome b light chain p22 phagocyte b- cytochrome mRNA, complete cds | 549 | 521C>T | A174V |
| CYBA | M21186 | 233690 | GEN-24I | Human neutrophil cytochrome b light chain p22 phagocyte b- cytochrome mRNA, complete cds | 640 | 612A>G | 3 |
| CYBA | M21186 | 233690 | GEN-24I | Human neutrophil cytochrome b light chain p22 phagocyte b- cytochrome mRNA, complete cds | 665 | 637C>T | 3 |
| M21616 | M21616 | 173410 | GEN-R1 | Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds | 4312 | 4126C>T | 3 |
| M21616 | M21616 | 173410 | GEN-R1 | Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds | 5171 | 4985C>A | 3 |
| M21616 | M21616 | 173410 | GEN-R1 | Human platelet-derived growth factor (PDGF) receptor mRNA, complete cds | 5295 | 5109A>G | 3 |
| PLA2G2A | M22430 | 172411 | GEN-25V | Human RASFA-PLA2 mRNA, complete cds | 116 | (-20)G>T | 5 |
| PLA2G2A | M22430 | 172411 | GEN- | Human RASFA-PLA2 | 231 | 96G>C | S |

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| PLA2G2A | M22430 | 172411 | 25V GEN- | mRNA, complete cds | 132C>T | S |
| PLA2G2A | M22430 | 172411 | 25V GEN- | Human RAS-F-A PLA2 | 132C>T | S |
| PLA2G2A | M22430 | 172411 | 25V GEN- | mRNA, complete cds | 143- 144GT>GT | S |
| PLA2G2A | M22430 | 172411 | 25V GEN- | Human RAS-F-A PLA2 | 143-144delGT | F |
| PLA2G2A | M22430 | 172411 | 25V GEN- | mRNA, complete cds | 508C>T | 3 |
| PLA2G2A | M22430 | 172411 | 25V GEN- | Human RAS-F-A PLA2 | 585G>C | 3 |
| M22613 | M22613 | 227600 | 25V GEN-3C | mRNA, complete cds | 738C>T | S |
| ATP2A2 | M23114 | 108740 | GEN-276 | COAGULATION FACTOR X PRECURSOR | 2219C>T | S740F |
| M24283 | M24283 | 147840 | GEN-V | Homo sapiens calcium- ATPase (HK1) mRNA, complete cds | 167A>T | K56M |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 167A>T | K56M |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 721G>A | G241R |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 721G>A | G241R |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1055C>T | P352L |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1095C>T | S |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1224G>A | S |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1405A>G | K469E |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1405A>G | K469E |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1405A>G | K469E |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1972C>T | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 1972C>T | 3 |

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| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2551 | 2480C>T | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2681 | 2610G>A | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2842 | 2771G>A | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2842 | 2771G>A | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2935 | 2864T>C | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2938 | 2867G>A | 3 |
| M24283 | M24283 | 147840 | GEN-V | Intercellular adhesion molecule 1 | 2950 | 2879C>T | 3 |
| CD36 | M24795 | 173510 | GEN-28R | Human CD36 antigen mRNA, complete cds | 79 | (-132)C>A | 5 |
| CD36 | M24795 | 173510 | GEN-28R | Human CD36 antigen mRNA, complete cds | 341 | 131T>G | L44R |
| CD36 | M24795 | 173510 | GEN-28R | Human CD36 antigen mRNA, complete cds | 1851 | 1641A>G | 3 |
| M25813 | M25813 | None | GEN-2A0 | Human unidentified gene complementary to P450c21 gene, partial cds | 1357 | 1357G>A | V453I |
| M25813 | M25813 | None | GEN-2A0 | Human unidentified gene complementary to P450c21 gene, partial cds | 2082 | 2082C>G | I694M |
| M25813 | M25813 | None | GEN-2A0 | Human unidentified gene complementary to P450c21 gene, partial cds | 2502 | 2502G>A | 3 |
| M25813 | M25813 | None | GEN-2A0 | Human unidentified gene complementary to P450c21 gene, partial cds | 2626 | 2626A>G | 3 |
| M26383 | M26383 | 146930 | GEN-3E | Interleukin 8 | 259 | 185C>G | A62G |
| M26383 | M26383 | 146930 | GEN-3E | Interleukin 8 | 1237 | 1163A>T | 3 |
| M26383 | M26383 | 146930 | GEN-3E | Interleukin 8 | 1281 | 1207A>G | 3 |
| M26393 | M26393 | 201470 | GEN-EW | Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain | 1797 | 1765A>G | 3 |
| M27137 | M27137 | 109715 | GEN-5W | 3beta hydroxysteroid dehydrogenase | 1103 | 1100C>A | T367N |

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| M27436 | M27436 | 134390 | GEN-R7 | Human tissue factor gene, 1414 complete cds, with a Alu repetitive sequence in the 3 untranslated region | 1315C>T | 3 |
| M27436 | M27436 | 134390 | GEN-R7 | Human tissue factor gene, 1508 complete cds, with a Alu repetitive sequence in the 3 untranslated region | 1409A>G | 3 |
| M27436 | M27436 | 134390 | GEN-R7 | Human tissue factor gene, 1588 complete cds, with a Alu repetitive sequence in the 3 untranslated region | 1489T>G | 3 |
| M27492 | M27492 | 147810 | GEN-3F | 3 untranslated region INTERLEUKIN 1 RECEPTOR, TYPE I | 4604T>G | 3 |
| M27875 | M27875 | 107680 | GEN-2CK | PRECURSOR Human apolipoprotein A-I 34 mRNA, complete cds | 15G>C | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I 202 mRNA, complete cds | 183C>T | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I 204 mRNA, complete cds | 185T>G | L62W |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I 255 mRNA, complete cds | 236C>T | S79F |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I 689 mRNA, complete cds | 670C>T | S |
| M27875 | M27875 | 107680 | GEN-2CK | Human apolipoprotein A-I 824 mRNA, complete cds | 805G>A | 3 |
| M28226 | M28226 | 158105 | GEN-R8 | Human JE gene encoding a monocytic secretory protein mRNA, complete cds | 44C>G | A15G |
| M28226 | M28226 | 158105 | GEN-R8 | Human JE gene encoding a monocytic secretory protein mRNA, complete cds | 105C>T | S |
| M28226 | M28226 | 158105 | GEN-R8 | Human JE gene encoding a monocytic secretory protein mRNA, complete cds | 365T>C | 3 |
| M28614 | M28614 | 107720 | GEN-6Q | Apolipoprotein C-III 370 | 340C>G | 3 |
| M28614 | M28614 | 107720 | GEN-6Q | Apolipoprotein C-III 401 | 371T>G | 3 |

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| M28614 | M28614 | 107720 | GEN-6Q | Apolipoprotein C-III | 479 | 449T>A | 3 |
| CFTR | M28668 | 602421 | GEN-2DF | Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR) | 2729 | 2597G>A | C866Y |
| CFTR | M28668 | 602421 | GEN-2DF | Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR) | 5826 | 5694T>C | 3 |
| M29551 | M29551 | 114106 | GEN-F3 | SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM | 936 | 820G>A | V274M |
| M29551 | M29551 | 114106 | GEN-F3 | SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT, BETA ISOFORM | 2640 | 2524G>A | 3 |
| M29696 | M29696 | 146661 | GEN-3H | Interleukin 7 receptor | 1088 | 1086G>A | V356I |
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 26 | 17C>A | A6E |
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 183 | 174G>A | S |
| M29882 | M29882 | 107670 | GEN-6R | Apolipoprotein A-II | 192 | 183C>A | S |
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1283 | 1153G>C | V385L |
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1298 | 1188G>C | A390P |
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1394 | 1264A>G | I422V |
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1394 | 1264A>G | I422V |
| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1506 | 1376A>G | D459G |

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| CETP | M30185 | 118470 | GEN-2FK | Human cholesteryl ester transfer protein mRNA, complete cds | 1696 | 1566G>A | 3 |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 178 | 79C>T | P27S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 203 | 104C>G | A35G |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 210 | 111G>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 327 | 228C>T | S |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 553 | 454T>C | F |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 626 | 527G>T | 3 |
| M30262 | M30262 | 600295 | GEN-WA | Human cardiolipin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds | 640 | 541T>C | 3 |
| M30773 | M30773 | 114106 | GEN-X | Calcineurin B type I | 331 | (-428)T>C | 5 |
| M30773 | M30773 | 114106 | GEN-X | Calcineurin B type I | 1658 | 900C>A | 3 |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 923 | 759A>G | I253M |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 1048 | 884T>C | 3 |
| M31145 | M31145 | 146730 | GEN-3J | Insulin-like growth factor binding protein 1 precursor | 1260 | 1096C>G | 3 |
| PRKAR2 | M31158 | 176912 | GEN-2GE | Human cAMP-dependent protein kinase subunit RII-beta mRNA, complete cds | 2790 | 2624C>G | 3 |
| M31159 | M31159 | 146732 | GEN-2GD | Human growth hormone-dependent insulin-like growth factor-binding protein mRNA, complete cds | 204 | 95G>C | G32A |
| M31159 | M31159 | 146732 | GEN- | Human growth hormone-1 | 2178 | 2069A>T | 3 |

| | | 2GD | dependent insulin-like growth factor-binding protein mRNA, complete cds | | | |
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| M31328 | M31328 | 139130 | GEN-7G | Guanine nucleotide binding protein (G protein), beta polypeptide 3 | 1049 | 1043G>A 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase | 1271 | 1241C>T 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase | 1344 | 1314G>A 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase | 1489 | 1459G>A 3 |
| M32313 | M32313 | 184753 | GEN-5Y | Steroid 5 alpha reductase | 1780 | 1750T>C 3 |
| VEGF | M32977 | 192240 | GEN-2JF | Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds | 50 | (-7)C>T 5 |
| VEGF | M32977 | 192240 | GEN-2JF | Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds | 92 | 36C>T S |
| M33336 | M33336 | 188830 | GEN-RC | Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds | 2440 | 2353T>G 3 |
| M33336 | M33336 | 188830 | GEN-RC | Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds | 2472 | 2385C>T 3 |
| M33336 | M33336 | 188830 | GEN-RC | Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds | 3005 | 2918T>C 3 |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 53 | 35T>C V12A |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 149 | 131C>A A44D |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 194 | 176T>C L59P |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 364 | 346C>T L116F |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 900 | 882T>C S |

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| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 987 | 969G>T | E323D |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1161 | 1143C>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1161 | 1143C>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1551 | 1533G>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1551 | 1533G>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1562 | 1544G>A | R515Q |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1563 | 1545G>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 1563 | 1545G>A | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 2226 | 2208C>T | S |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 2426 | 2408G>C | 3 |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 3056 | 3038C>T | 3 |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 3098 | 3080A>G | 3 |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 3403 | 3385A>T | 3 |
| M35999 | M35999 | 173470 | GEN-Y | Leukocyte integrin beta-3 | 3927 | 3909C>T | 3 |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 449 | 297A>G | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 883 | 731A>G | H244R |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 922 | 770A>T | H257L |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 954 | 802C>T | R268W |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 1301 | 1149T>C | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 1649 | 1497T>C | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 2666 | 2514G>A | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 3245 | 3093C>T | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 3245 | 3093C>T | S |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 3436 | 3284G>A | G1095D |
| PLCG2 | M37238 | 600220 | GEN-2O1 | Phospholipase C gamma-2 | 4207 | 4055C>G | 3 |
| PAM | M37721 | 170270 | GEN-2OK | Human peptidylglycine alpha-amidating monooxygenase mRNA, | 3183 | 2995T>A | 3 |

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| PAM | M37721 | 170270 | GEN-2OK | Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds | 3530 | 3342A>G | 3 |
| M37825 | M37825 | 185190 | GEN-2OM | Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds | 787 | 648T>G | S |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 711 | 519T>C | S |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 936 | 744G>T | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 1270 | 1078T>C | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 3268 | 3076T>G | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4529 | 4337A>C | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4555 | 4363A>G | 3 |
| M54968 | M54968 | 190070 | GEN-35G | Human K-ras oncogene protein mRNA, complete cds | 4672 | 4480A>C | 3 |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 323 | 167C>T | P56L |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1154 | 998T>A | V333E |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1213 | 1057C>A | H353N |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1482 | 1326G>T | S |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1587 | 1431C>T | S |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1587 | 1431C>T | S |
| M55040 | M55040 | 100740 | GEN-3Q | acetylcholinesterase | 1663 | 1507T>C | F503L |
| NCF1 | M55067 | 233700 | GEN-35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 291 | 269G>A | R90H |

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| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 367 | 345C>T | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 409 | 387G>A | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 518 | 496G>A | D166N |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 580 | 558G>A | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 847 | 825T>C | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 871 | 849G>A | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 930 | 908C>T | S303L |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 945 | 923C>T | A308V |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 958 | 936T>C | S |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 966 | 944C>T | S315L |
| NCF1 | M55067 | 233700 | GEN- 35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 1024 | 1002G>A | S |

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| NCF1 | M55067 | 233700 | 35R | chronic granulomatous disease protein mRNA, complete cds | 1089 | 1067C>A | T356K |
| NCF1 | M55067 | 233700 | GEN-35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 1098 | 1076C>T | S359F |
| NCF1 | M55067 | 233700 | GEN-35R | Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds | 1250 | 1228C>T | 3 |
| M55643 | M55643 | 164011 | GEN-RP | Human factor KBF1 mRNA, complete cds | 1936 | 1755G>A | S |
| M57899 | M57899 | 191740 | GEN-38A | Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds | 1828 | 1813C>T | 3 |
| M57899 | M57899 | 191740 | GEN-38A | Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds | 1956 | 1941C>G | 3 |
| M57899 | M57899 | 191740 | GEN-38A | Human bilirubin UDP-glucuronosyltransferase isozyme 1 mRNA, complete cds | 2057 | 2042C>G | 3 |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 407 | 321T>G | D107E |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 818 | 732C>T | S |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 2132 | 2046C>G | S |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 2837 | 2751T>C | S |

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|--------|--------|--------|---------|---|------|----------------------|--------|
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 2913 | 2827T>C | S |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 3300 | 3214G>T | D1072Y |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 3456 | 3370T>G | S1124A |
| MYH7 | M58018 | 160760 | GEN-38J | Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds | 5507 | 5421C>G | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-390 methyltransferase | 390 | 186T>C | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-390 methyltransferase | 390 | 186T>C | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-418 methyltransferase | 418 | 214G>T | A72S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-423 methyltransferase | 423 | 219G>A | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-612 methyltransferase | 612 | 408C>G | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-676 methyltransferase | 676 | 472A>G | M158V |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-676 methyltransferase | 676 | 472A>G | M158V |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-813 methyltransferase | 813 | 609C>T | S |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-1031 methyltransferase | 1031 | 827delC | F |
| M58525 | M58525 | 116790 | GEN-3S | Catechol-O-1039 methyltransferase | 1039 | 835C>A | 3 |
| M59305 | M59305 | 108962 | GEN-39P | Human atrial natriuretic peptide clearance receptor (ANP C-receptor) mRNA, complete cds | 160 | (-203)-(-199)delTTTT | F |
| M59979 | M59979 | 176805 | GEN-Z | Cyclooxygenase 1 | 844 | 639C>A | S |
| M59979 | M59979 | 176805 | GEN-Z | Cyclooxygenase 1 | 1892 | 1887C>A | 3 |
| M59979 | M59979 | 176805 | GEN-Z | Cyclooxygenase 1 | 2030 | 2025G>A | 3 |
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 1562 | 1463A>G | H488R |

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|--------|--------|--------|---------|---|------|-----------|---|
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 2178 | 2079C>T | S |
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 2178 | 2079C>T | S |
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 2196 | 2097T>C | S |
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 2307 | 2208A>G | S |
| M60335 | M60335 | 192225 | GEN-3U | Vascular cell adhesion molecule 1 | 2321 | 2222T>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 323 | (-123)G>C | 5 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1180 | 735T>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1201 | 756A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1216 | 771A>G | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1218 | 773G>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1266 | 821A>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1306 | 861C>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1654 | 1209A>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1657 | 1212T>C | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1799 | 1354A>T | 3 |
| FGF7 | M60828 | 148180 | GEN-3BE | Human keratinocyte growth factor mRNA, complete cds | 1801 | 1356C>T | 3 |

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|--------|--------|--------|-------------|---|---------|---|
| FGF7 | M60828 | 148180 | 3BE | growth factor mRNA, complete cds | 1422A>G | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1500C>A | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1528G>A | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1722G>A | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1741A>G | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1857T>A | 3 |
| FGF7 | M60828 | 148180 | GEN- 3BE | Human keratinocyte growth factor mRNA, complete cds | 1883G>A | 3 |
| IGFBP4 | M62403 | 146733 | GEN- 3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 776G>A | S |
| IGFBP4 | M62403 | 146733 | GEN- 3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1320G>T | 3 |
| IGFBP4 | M62403 | 146733 | GEN- 3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1360G>A | 3 |
| IGFBP4 | M62403 | 146733 | GEN- 3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1363G>A | 3 |
| IGFBP4 | M62403 | 146733 | GEN- 3CJ | Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds | 1402A>T | 3 |

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|--------|--------|--------|---------|-----------------------------|--|------|---------|-------|
| M62424 | M62424 | 187930 | GEN-3W | (IGFBP4) mRNA, complete cds | Coagulation factor II (thrombin) receptor | 3210 | 2986C>T | 3 |
| M62424 | M62424 | 187930 | GEN-3W | | Coagulation factor II (thrombin) receptor | 3211 | 2987G>A | 3 |
| M62424 | M62424 | 187930 | GEN-3W | | Coagulation factor II (thrombin) receptor | 3247 | 3023T>C | 3 |
| M62782 | M62782 | 146734 | GEN-3CU | | Homo sapiens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds | 908 | 852C>T | 3 |
| APOH | M62839 | 138700 | GEN-3CY | | Human apolipoprotein H mRNA, complete cds | 500 | 461G>A | R154H |
| APOH | M62839 | 138700 | GEN-3CY | | Human apolipoprotein H mRNA, complete cds | 835 | 796G>T | V266L |
| APOH | M62839 | 138700 | GEN-3CY | | Human apolipoprotein H mRNA, complete cds | 1098 | 1059T>C | 3 |
| M63012 | M63012 | 168820 | GEN-9F | | Human apolipoprotein H mRNA, complete cds | 172 | 163A>T | M55L |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Paraoxonase 1 Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 850 | 837G>A | S |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1093 | 1080C>T | 3 |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1175 | 1162G>A | 3 |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1249 | 1236C>T | 3 |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1249 | 1236C>T | 3 |
| LRPAP1 | M63959 | 104225 | GEN-3EI | | Human alpha-2-macroglobulin receptor-associated protein mRNA, complete cds | 1392 | 1379T>G | 3 |

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|---------------------------------------|--------|--------|---------|---|------|---------|-------|
| associated protein mRNA, complete cds | | | | | | | |
| FGFR3 | M64347 | 134934 | GEN-3EX | Human novel growth factor receptor mRNA, 3 cds | 3108 | 3108C>A | 3 |
| FGFR3 | M64347 | 134934 | GEN-3EX | Human novel growth factor receptor mRNA, 3 cds | 3715 | 3715G>A | 3 |
| M64592 | M64592 | 120420 | GEN-3X | Granulocyte colony-stimulating factor | 271 | 271T>G | Y91D |
| M64592 | M64592 | 120420 | GEN-3X | Granulocyte colony-stimulating factor | 1533 | 1533C>T | S |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 199 | 200C>G | 3 |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 777 | 778G>A | 3 |
| M64710 | M64710 | None | GEN-KUW | Human C-type natriuretic peptide gene, complete cds | 1215 | 1216A>G | 3 |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 398 | 398T>C | V133A |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 525 | 525A>T | K175N |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 620 | 620A>G | K207R |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 649 | 649A>G | N217D |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 692 | 692A>G | K231R |
| M64799 | M64799 | None | GEN-4DN | Histamine receptor H2 | 802 | 802G>A | V268M |
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 273 | 131C>G | P44R |
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 595 | 453C>G | S |
| M65028 | M65028 | 602372 | GEN-3FM | Human hnRNP type A/B protein mRNA, complete cds | 1255 | 1113A>G | 3 |
| PRKAR1 | M65066 | 176911 | GEN- | Human cAMP-dependent | 1424 | 1424C>G | 3 |

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|--------|---|---------------|---------|---|------|---------|-------|
| B | | | 3FK | protein kinase regulatory subunit RI-beta mRNA, 3 end | | | |
| PRKAR1 | B | M65066 176911 | GEN-3FK | Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end | 1514 | 1514G>C | 3 |
| PRKAR1 | B | M65066 176911 | GEN-3FK | Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end | 1550 | 1550G>C | 3 |
| PRKAR1 | B | M65066 176911 | GEN-3FK | Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end | 1862 | 1862G>A | 3 |
| PRKAR1 | B | M65066 176911 | GEN-3FK | Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3 end | 2139 | 2139C>T | 3 |
| C5 | | M65134 120900 | GEN-3FT | Human complement component C5 mRNA, 3 end | 1171 | 1171A>G | 1391V |
| EDN2 | | M65199 131241 | GEN-CBS | Endothelin 2 | 384 | 314C>T | A105V |
| EDN2 | | M65199 131241 | GEN-CBS | Endothelin 2 | 997 | 927A>G | 3 |
| EDN2 | | M65199 131241 | GEN-CBS | Endothelin 2 | 997 | 927A>G | 3 |
| M67439 | | M67439 126453 | GEN-4EI | Dopamine Receptor D5 | 1500 | 1353T>A | S |
| M67439 | | M67439 126453 | GEN-4EI | Dopamine Receptor D5 | 1512 | 1365G>A | F |
| M67439 | | M67439 126453 | GEN-4EI | Dopamine Receptor D5 | 1566 | 1419G>A | S |
| M69013 | | M69013 139313 | GEN-7L | Guanine nucleotide binding protein (G protein), alpha 11 | 957 | 771C>T | S |
| IGFBP6 | | M69054 146735 | GEN-3J0 | Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide | 751 | 751A>C | 3 |
| IGFBP6 | | M69054 146735 | GEN-3J0 | Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete | 835 | 835A>C | 3 |

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|--------|--------|--------|-------------|--|------|-----------|-------|
| IGFBP6 | M69054 | 146735 | GEN-3J0 | mature peptide Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete | 850 | 850G>A | 3 |
| M69226 | M69226 | 309850 | GEN-3Z | mature peptide Monoamine oxidase A | 435 | 385A>C | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 936 | 886C>T | F |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 941 | 891T>G | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 941 | 891T>G | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 1076 | 1026A>T | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 1373 | 1323G>A | F |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 1460 | 1410C>T | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 1460 | 1410C>T | S |
| M69226 | M69226 | 309850 | GEN-3Z | Monoamine oxidase A | 1609 | 1559A>G | K520R |
| SRD5A2 | M74047 | 264600 | GEN- CDC | Human steroid 5-alpha-reductase 2 (SRD5A2) mRNA, complete cds | 2379 | 2352A>G | 3 |
| M74782 | M74782 | 308385 | GEN-64 | Interleukin 3 receptor, alpha (low affinity) | 1396 | 1250C>T | 3 |
| M77829 | M77829 | 107776 | GEN- 3QJ | Human channel-like integral membrane protein (CHIP28) mRNA, complete cds | 172 | 134C>T | A45V |
| M77829 | M77829 | 107776 | GEN- 3QJ | Human channel-like integral membrane protein (CHIP28) mRNA, complete cds | 1249 | 1211C>G | 3 |
| PAX6 | M77844 | 106210 | GEN- 3QG | H.sapiens oculorhombin (aniridia) mRNA, complete cds | 669 | 307C>T | F |
| M80646 | M80646 | 274180 | GEN-40 | Thromboxane synthase | 756 | 585G>C | S |
| M80646 | M80646 | 274180 | GEN-40 | Thromboxane synthase | 1240 | 1069C>G | L357V |
| M81181 | M81181 | 182331 | GEN-G4 | ATPase, Na+/K+ transporting, beta 2 polypeptide | 107 | (-301)C>G | 5 |
| M81181 | M81181 | 182331 | GEN-G4 | ATPase, Na+/K+ transporting, beta 2 polypeptide | 1070 | 663C>A | S |
| M81181 | M81181 | 182331 | GEN-G4 | ATPase, Na+/K+ transporting, beta 2 polypeptide | 1974 | 1567C>A | 3 |

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|--------|--------|--------|---------|---|------|---------|-------|
| M81181 | M81181 | 182331 | GEN-G4 | transporting, beta 2 polypeptide ATPase, Na+/K+ transporting, beta 2 | 2364 | 1957T>C | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 1684 | 1685C>T | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 1920 | 1921C>T | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 2034 | 2035T>G | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 2331 | 2332C>T | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 2561 | 2562C>T | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 2655 | 2656C>T | 3 |
| THBS2 | M81339 | 188061 | GEN-3VQ | Human thrombospondin mRNA | 2729 | 2730C>T | 3 |
| M81590 | M81590 | 182131 | GEN-3VQ | Serotonin 5-HT receptors mRNA | 190 | 129C>T | S |
| M81590 | M81590 | 182131 | GEN-3VZ | Serotonin 5-HT receptors 5-HT1D | 432 | 371T>G | F124C |
| M81590 | M81590 | 182131 | GEN-3VZ | Serotonin 5-HT receptors 5-HT1D | 922 | 861G>C | S |
| M81590 | M81590 | 182131 | GEN-3VZ | Serotonin 5-HT receptors 5-HT1D | 1241 | 1180G>A | 3 |
| M81757 | M81757 | 603474 | GEN-3W6 | H.sapiens S19 ribosomal protein mRNA, complete cds | 276 | 254A>T | N85I |
| M81757 | M81757 | 603474 | GEN-3W6 | H.sapiens S19 ribosomal protein mRNA, complete cds | 338 | 316G>A | A106T |
| M81757 | M81757 | 603474 | GEN-3W6 | H.sapiens S19 ribosomal protein mRNA, complete cds | 496 | 474G>A | 3 |
| M81768 | M81768 | 107310 | GEN-G6 | Solute carrier family 9 (sodium/hydrogen exchanger) cds | 3042 | 2989G>A | 3 |
| M82962 | M82962 | 600388 | GEN-3XC | Human N-benzoyl-L- tyrosyl-p-amino-benzolc | 2316 | 2307T>G | 3 |

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|--------|--------|--------|---------|---|---------|-------|
| M82962 | M82962 | 600388 | GEN-3XC | acid hydrolase-alpha subunit (PPH alpha) mRNA, complete cds Human N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds Nicotinic, Cholinergic receptor alpha 5 | 2419A>C | 3 |
| CHRNA5 | M83712 | 118505 | GEN-3YQ | adipsin/complement factor D mRNA, complete cds | 1192G>A | D398N |
| M84526 | M84526 | 134350 | GEN-3ZL | adipsin/complement factor D mRNA, complete cds | (-9)C>T | 5 |
| M84526 | M84526 | 134350 | GEN-3ZL | adipsin/complement factor D mRNA, complete cds | 345C>A | S |
| M84526 | M84526 | 134350 | GEN-3ZL | adipsin/complement factor D mRNA, complete cds | 354A>G | S |
| M84526 | M84526 | 134350 | GEN-3ZL | adipsin/complement factor D mRNA, complete cds | 805C>T | 3 |
| M84526 | M84526 | 134350 | GEN-3ZL | adipsin/complement factor D mRNA, complete cds | 837G>C | 3 |
| M84747 | M84747 | 300007 | GEN-45 | adipsin/complement factor D mRNA, complete cds | 1094G>A | R365H |
| M84755 | M84755 | 162641 | GEN-46 | Interleukin 9 receptor | 1121A>C | K374T |
| TGFBR2 | M85079 | 190182 | GEN-3ZS | Neuropeptide Y1 Human TGF-beta type II receptor mRNA, complete cds | 1710A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 1569T>A | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 2515C>G | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 2535A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 2572A>C | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 2661C>T | 3 |
| YWHAZ | M86400 | 601288 | GEN-40Y | Human phospholipase A2 mRNA, complete cds | 2677A>C | 3 |

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|--------|--------|--------|---------|-----|---|-----------------|-------|
| GJB2 | M86849 | 121011 | GEN-41L | 40Y | mRNA, complete cds | 1948T>G | 3 |
| | | | | | Human connexin 26 | | 1947 |
| GJB2 | M86849 | 121011 | GEN-41L | | (GJB2) mRNA | 2036A>G | 3 |
| OSBP | M86917 | 167040 | GEN-425 | | Human connexin 26 | (-265)T>G | 5 |
| | | | | | (GJB2) mRNA | | |
| OSBP | M86917 | 167040 | GEN-425 | | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 322C>T | F |
| | | | | | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 408C>T | S |
| OSBP | M86917 | 167040 | GEN-425 | | Human oxysterol-binding protein (OSBP) mRNA, complete cds | 454T>G | S152A |
| | | | | | Human oxysterol-binding protein (OSBP) mRNA, complete cds | | |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 16T>C | S6P |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 133G>A | G45R |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 573T>C | S |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 573T>C | S |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1062A>G | S |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1062A>G | S |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1150T>G | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1166C>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1173A>G | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1397G>A | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1517G>T | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1605C>T | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1636T>C | 3 |
| M87290 | M87290 | 106165 | GEN-19 | | Angiotensin receptor AT1 | 1878A>G | 3 |
| M90100 | M90100 | 600262 | GEN-1A | | Cyclooxygenase 2 COX2 | 2062G>C | 3 |
| M90100 | M90100 | 600262 | GEN-1A | | Cyclooxygenase 2 COX2 | 2089-2094ATATTA | 3 |
| | | | | | >ATATTA | | |
| M90100 | M90100 | 600262 | GEN-1A | | Cyclooxygenase 2 COX2 | 2089- | 3 |

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| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 | COX2 | 2230 | 2094delATAT | 2133A>G | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 | COX2 | 2339 | TA | 2242T>C | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 | COX2 | 2409 | | 2312G>A | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 | COX2 | 2726 | | 2629C>T | 3 |
| M90100 | M90100 | 600262 | GEN-1A | Cyclooxygenase 2 | COX2 | 2983 | | 2886C>T | 3 |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c | (alt. splice) L-Type | 3846 | | 3846C>T | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c | (alt. splice) L-Type | 5505 | | 5505G>A | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c | (alt. splice) L-Type | 6582 | | 6582A>G | S |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c | (alt. splice) L-Type | 6613 | | 6613G>C | G2205R |
| M92269 | M92269 | 114205 | GEN-SV | Ca Channel alpha1c | (alt. splice) L-Type | 6614 | | 6614G>C | G2205A |
| PNLIP | M93285 | 246600 | GEN-48N | Pancreatic lipase (PNLIP) | | 646 | | 646G>T | V216L |
| M95678 | M95678 | 604114 | GEN-4A6 | (Dietary supplement) | | 1346 | | 1182T>C | S |
| M95678 | M95678 | 604114 | GEN-4A6 | phospholipase C-beta-2 | | 3436 | | 3272A>G | E1091G |
| M95678 | M95678 | 604114 | GEN-4A6 | phospholipase C-beta-2 | | 4137 | | 3973C>T | 3 |
| M95708 | M95708 | 107271 | GEN-SF | phospholipase C-beta-2 | | 497 | | 435C>T | 3 |
| M96652 | M96652 | 147851 | GEN-65 | Interleukin 5 receptor alpha | | 883 | | 634T>G | S212A |
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 | | 211 | | 147G>A | S |
| GJA4 | M96789 | 121012 | GEN-4B1 | (GJA4) mRNA, complete cds | | 620 | | 556G>A | V186M |
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 | | 1019 | | 955C>T | P319S |

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|----------|--------|--------|---------|---|------|------------------|-------|
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 (GJA4) mRNA, complete cds | 1179 | 1115A>G | 3 |
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 (GJA4) mRNA, complete cds | 1223 | 1159C>A | 3 |
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 (GJA4) mRNA, complete cds | 1411 | 1347G>A | 3 |
| GJA4 | M96789 | 121012 | GEN-4B1 | Homo sapiens connexin 37 (GJA4) mRNA, complete cds | 1477 | 1413C>G | 3 |
| M98539 | M98539 | 176803 | GEN-SW | prostaglandin D2 synthase gene | 157 | 158C>A | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 669 | 632A>G | K211R |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 820 | 783T>C | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 820 | 783T>C | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 856 | 819G>A | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 856 | 819G>A | S |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1388 | 1351T>G | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1395 | 1358-1362CTTTA> | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1395 | CTTTA | F |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1395 | 1358-1362delCTTT | |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1419 | 1382C>A | 3 |
| S70154 | S70154 | 100678 | GEN-GY | ACAT2 | 1419 | 1382C>A | 3 |
| ADCYAP 1 | S83513 | 102980 | GEN-3YA | pituitary adenylate cyclase activating polypeptide [human, mRNA, 1940 nt] | 1521 | 1520G>A | 3 |
| U00672 | U00672 | 146933 | GEN-4A | Interleukin 10 receptor | 3377 | 3316A>C | 3 |
| U00672 | U00672 | 146933 | GEN-4A | Interleukin 10 receptor | 3524 | 3463A>G | 3 |
| U00968 | U00968 | 184756 | GEN-UU | Human SREBP-1 mRNA, complete cds | 3983 | 3817G>A | 3 |
| U02031 | U02031 | 600481 | GEN-WD | Human sterol regulatory element binding protein-2 mRNA, complete cds | 1089 | 972G>A | S |

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|--------|--------|--------|-------------|--|------|---------|-------|
| U03642 | U03642 | None | GEN- KUU | Human G protein-coupled receptor APJ gene, complete cds | 333 | 135A>C | S |
| U03642 | U03642 | None | GEN- KUU | Human G protein-coupled receptor APJ gene, complete cds | 1096 | 898G>A | V300I |
| U03858 | U03858 | 600007 | GEN- MDM | Fms-related tyrosine kinase 3 ligand | 683 | 600C>T | S |
| U03858 | U03858 | 600007 | GEN- MDM | Fms-related tyrosine kinase 3 ligand | 1016 | 933T>C | 3 |
| U04270 | U04270 | 152427 | GEN-H6 | Potassium channel subunit | 1650 | 1467C>T | S |
| U04270 | U04270 | 152427 | GEN-H6 | Potassium channel subunit (h-erg) | 3888 | 3705A>C | 3 |
| HADHA | U04827 | 600890 | GEN-155 | Human 78 kDa gastrin- binding protein mRNA, complete cds | 1507 | 1507G>A | V503M |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 632 | 239C>T | S80L |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 837 | 444G>C | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 882 | 489C>T | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 945 | 552T>C | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1119 | 726C>G | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1131 | 738C>T | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1134 | 741C>T | S |
| CDC2L1 | U04815 | 139380 | GEN- 15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1193 | 800T>A | L267Q |

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|--------|--------|--------|---------|---|------|---------|-------|
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1266 | 873T>C | S |
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1314 | 921G>T | K307N |
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1692 | 1299C>A | D433E |
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1700 | 1307T>A | L436Q |
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1706 | 1313A>G | E438G |
| CDC2L1 | U04815 | 139380 | GEN-15P | Human protein kinase PITSLRE alpha 1 mRNA, complete cds | 1776 | 1383C>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 38 | 15C>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 282 | 259A>T | S87C |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 350 | 327C>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 365 | 342T>C | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 464 | 441G>A | S |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 474 | 451A>G | M151V |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 532 | 509A>G | H170R |
| DDH1 | U05598 | 600450 | GEN-184 | Human dihydrodiol dehydrogenase mRNA, complete cds | 538 | 515T>A | L172Q |

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|---------|--------|--------|---------|---|---------|-------|
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol dehydrogenase mRNA, 689 | 660T>C | S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 806 dehydrogenase mRNA, | 783G>A | S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 872 dehydrogenase mRNA, | 849G>T | S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 952 dehydrogenase mRNA, | 929T>G | I310S |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 1020 dehydrogenase mRNA, | 997G>A | 3 |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 1035 dehydrogenase mRNA, | 1012G>A | 3 |
| DDH1 | U05598 | 600450 | GEN-184 | complete cds Human dihydrodiol 1112 dehydrogenase mRNA, | 1089C>T | 3 |
| HSD17B3 | U05659 | 264300 | GEN-186 | complete cds Human 17beta- 894 hydroxysteroid dehydrogenase type 3 mRNA, complete cds | 846G>C | S |
| U07225 | U07225 | 600041 | GEN-1DM | P2Y2 purinoceptor 2008 | 1763G>A | 3 |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 333 | 239G>A | R80H |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 460 | 366G>A | S |
| U09117 | U09117 | 602142 | GEN-1GC | Phospholipase C delta-1 1858 | 1764G>A | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular 838 acetylcholine transporter mRNA, complete cds | 396T>C | S |
| SLC18A3 | U09210 | 600336 | GEN-4F3 | Human vesicular 1369 acetylcholine transporter mRNA, complete cds | 927A>G | S |
| SLC18A3 | U09210 | 600336 | GEN- | Human vesicular 1567 | 1125C>G | S |

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| SLC18A3 | U09210 | 600336 | 4F3 | acetylcholine transporter mRNA, complete cds | 1638G>T | 3 |
| | GEN-4F3 | | | Human vesicular acetylcholine transporter mRNA, complete cds | | |
| SLC18A3 | U09210 | 600336 | 4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 1757G>A | 3 |
| SLC18A3 | U09210 | 600336 | 4F3 | Human vesicular acetylcholine transporter mRNA, complete cds | 1907G>T | 3 |
| U09648 | U09648 | 600650 | GEN-1I | Palmitoyltransferase II Carnitine | 2040G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | Palmitoyltransferase II Carnitine | 2159G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | Palmitoyltransferase II Carnitine | 2276G>A | 3 |
| U09648 | U09648 | 600650 | GEN-1I | Palmitoyltransferase II Carnitine | 2309G>A | 3 |
| U09759 | U09759 | 602896 | GEN-1HA | Palmitoyltransferase II Human protein kinase (JNK2) mRNA, complete cds | 152A>G | N51S |
| U09759 | U09759 | 602896 | GEN-1HA | Human protein kinase (JNK2) mRNA, complete cds | 928A>G | I310V |
| U09759 | U09759 | 602896 | GEN-1HA | Human protein kinase (JNK2) mRNA, complete cds | 1129C>T | P377S |
| U09759 | U09759 | 602896 | GEN-1HA | Human protein kinase (JNK2) mRNA, complete cds | 1408C>T | 3 |
| U09806 | U09806 | None | GEN-4FZ | Human protein kinase (JNK2) mRNA, complete cds | 120T>C | S |
| U09806 | U09806 | None | GEN-4FZ | Human protein kinase (JNK2) mRNA, complete cds | 473G>A | R158Q |
| U09806 | U09806 | None | GEN-4FZ | Human protein kinase (JNK2) mRNA, complete cds | 550C>T | F |

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|--------|--------|--------|---------|---|---------|-------|
| U09806 | U09806 | None | GEN-4FZ | reductase mRNA, partial cds Human 668 methylenetetrahydrofolate reductase mRNA, partial cds | 668C>T | A223V |
| U09806 | U09806 | None | GEN-4FZ | Human 1059 methylenetetrahydrofolate reductase mRNA, partial cds | 1059T>C | S |
| U09806 | U09806 | None | GEN-4FZ | Human 1289 methylenetetrahydrofolate reductase mRNA, partial cds | 1289C>A | E430A |
| U09806 | U09806 | None | GEN-4FZ | Human 1308 methylenetetrahydrofolate reductase mRNA, partial cds | 1308T>C | 3 |
| THPO | U11025 | 600044 | GEN-1JW | Human megakaryocyte 76 growth and development factor (MGDF) mRNA, complete cds | 41T>C | L14P |
| THPO | U11025 | 600044 | GEN-1JW | Human megakaryocyte 172 growth and development factor (MGDF) mRNA, complete cds | 137G>A | R46K |
| THPO | U11025 | 600044 | GEN-1JW | Human megakaryocyte 382 growth and development factor (MGDF) mRNA, complete cds | 347G>A | G116E |
| THPO | U11025 | 600044 | GEN-1JW | Human megakaryocyte 674 growth and development factor (MGDF) mRNA, complete cds | 639T>A | S |
| THPO | U11025 | 600044 | GEN-1JW | Human megakaryocyte 1132 growth and development factor (MGDF) mRNA, complete cds | 1097G>A | 3 |
| U12507 | U12507 | 600681 | GEN-1MD | Cardiac inward rectifier 338 potassium channel (HHRK1) | 13C>A | S |

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| U12507 | U12507 | 600681 | GEN-1MD | Cardiac inward rectifier potassium channel (HHRK1) | 1597 | 1272G>A | S |
| U12789 | U12789 | 600234 | GEN-4F | HMG CoA synthase (HSH1) mitochondrial | 720 | 720T>A | H240Q |
| U13737 | U13737 | 600636 | GEN-1PC | Human cysteine protease CPP32 isoform alpha mRNA, complete cds | 2356 | 2132A>C | 3 |
| U13737 | U13737 | 600636 | GEN-1PC | Human cysteine protease CPP32 isoform alpha mRNA, complete cds | 2535 | 2311C>T | 3 |
| CTGF | U14750 | 121009 | GEN-1S3 | Human connective tissue growth factor mRNA, partial cds | 1878 | 1878A>C | 3 |
| U16660 | U16660 | 600696 | GEN-1YD | Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds | 149 | 122A>C | E41A |
| U16660 | U16660 | 600696 | GEN-1YD | Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds | 402 | 375G>A | S |
| U16660 | U16660 | 600696 | GEN-1YD | Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds | 802 | 775C>G | P259A |
| U16660 | U16660 | 600696 | GEN-1YD | Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds | 1157 | 1130G>A | 3 |
| U16957 | U16957 | 300034 | GEN-1L | Angiotensin receptor AT2 | 263 | 123T>C | S |
| U16957 | U16957 | 300034 | GEN-1L | Angiotensin receptor AT2 | 883 | 743G>A | R248K |
| STAR | U17280 | 600617 | GEN-208 | Human steroidogenic acute regulatory protein (STAR) mRNA, complete cds | 1439 | 1313C>T | 3 |
| NOS1 | U17327 | 163731 | GEN-209 | Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds | 3391 | 2706C>T | S |
| U19487 | U19487 | 176804 | GEN-4I | PROSTAGLANDIN ENDOPEROXY SYNTHASE RECEPTOR, EP2 | 85 | (-72)A>G | 5 |

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| U19487 | U19487 | 176804 | GEN-4I | PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE | 231 | 75A>T | S |
| U19775 | U19775 | 600289 | GEN-22C | Human MAP kinase Mx2 (MX12) mRNA, complete cds | 731 | 688G>A | D230N |
| U20157 | U20157 | 601690 | GEN-234 | Human platelet-activating factor acetylhydrolase mRNA, complete cds | 1297 | 1136T>C | V379A |
| U20180 | U20180 | 147582 | GEN-236 | Human iron-regulatory protein 2 (IRP2) mRNA, partial cds | 2583 | 2583C>T | S |
| U20536 | U20536 | 601532 | GEN-23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 982 | 904C>T | 3 |
| U20536 | U20536 | 601532 | GEN-23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 1117 | 1039G>A | 3 |
| U20536 | U20536 | 601532 | GEN-23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 1322 | 1244T>C | 3 |
| U20536 | U20536 | 601532 | GEN-23K | Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds | 1363 | 1285T>C | 3 |
| U27325 | U27325 | 188070 | GEN-7N | Thromboxane A2 TP receptor, platelet and non- platelet | 302 | 179G>T | R60L |
| U27325 | U27325 | 188070 | GEN-7N | Thromboxane A2 TP receptor, platelet and non- platelet | 918 | 795T>C | S |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 476 | 442T>C | F148L |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 481 | 447A>G | S |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 542 | 508C>G | L170V |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 578 | 544C>T | 3 |
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 614 | 580T>C | 3 |

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|--------|--------|--------|---------|---|------|-----------------|-------|
| U27467 | U27467 | 601056 | GEN-2BX | Human Bcl-2 related (Bfl-1) mRNA, complete cds | 616 | 582G>A | 3 |
| U31628 | U31628 | 601070 | GEN-4J | Interleukin 15 receptor alpha chain | 1250 | 1168G>T | 3 |
| U32324 | U32324 | 600939 | GEN-4K | Interleukin 11 receptor alpha chain | 1266 | 1205C>A | P402Q |
| U32324 | U32324 | 600939 | GEN-4K | Interleukin 11 receptor alpha chain | 1513 | 1452C>T | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 407 | 159C>T | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 833 | 585T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 833 | 585T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1184 | 936T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1184 | 936T>C | S |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1706 | 1458-1460TAT>TA | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 1706 | T | 3 |
| U32500 | U32500 | 162642 | GEN-1P | Neuropeptide Y2 | 2782 | 1458-1460delTAT | F |
| U32989 | U32989 | 191070 | GEN-2JH | Human tryptophan oxygenase (TDO) mRNA, complete cds | 991 | 2534/2535insCA | S |
| U33052 | U33052 | 602549 | GEN-2JL | Human lipid-activated, protein kinase PRK2 mRNA, complete cds | 34 | 927G>A | S |
| U33052 | U33052 | 602549 | GEN-2JL | Human lipid-activated, protein kinase PRK2 mRNA, complete cds | 430 | 25G>C | E9Q |
| U33052 | U33052 | 602549 | GEN-2JL | Human lipid-activated, protein kinase PRK2 mRNA, complete cds | 1112 | 421T>C | S |
| GSS | U34683 | 601002 | GEN-2LF | Human glutathione synthetase mRNA, complete cds | 364 | 1103T>G | F368C |
| FGF8 | U36223 | 600483 | GEN-2MX | Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds | 300 | 324G>A | S |
| FGF8 | U36223 | 600483 | GEN-2MX | Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds | 645 | 291T>C | S |
| | | | | | | 636G>C | S |

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| FGF8 | U36223 | 600483 | GEN-2MX | Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds | 648 | 639A>G | S |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 736 | 693G>A | S |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1285 | 1242T>C | 3 |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1294 | 1251T>C | 3 |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1580 | 1537A>T | 3 |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1621 | 1578G>T | 3 |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1715 | 1672G>A | 3 |
| U37448 | U37448 | 601761 | GEN-2OC | Human Mch3 isoform alpha (Mch3) mRNA, complete cds | 1764 | 1721G>A | 3 |
| U38545 | U38545 | 602382 | GEN-2PB | Human ARF-activated phosphatidylcholine-specific phospholipase D1a (hPLD1) mRNA, complete cds | 3100 | 3005T>G | F1002C |
| U40002 | U40002 | 151750 | GEN-2RH | Human hormone-sensitive lipase testicular isoform mRNA, complete cds | 2076 | 1799C>A | P600H |
| U40038 | U40038 | 600998 | GEN-7O | Guanine nucleotide binding protein (G protein), q polypeptide | 825 | 783C>T | S |
| U40038 | U40038 | 600998 | GEN-7O | Guanine nucleotide binding protein (G protein), q polypeptide | 878 | 836T>C | L279P |
| U40038 | U40038 | 600998 | GEN-7O | Guanine nucleotide binding protein (G protein), q polypeptide | 1029 | 987G>A | S |

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| U40038 | U40038 | 600998 | GEN-70 | polypeptide Guanine nucleotide binding protein (G protein), q | 1051 | 1009A>G | I337V |
| U40038 | U40038 | 600998 | GEN-70 | polypeptide Guanine nucleotide binding protein (G protein), q | 1068 | 1026T>A | S |
| U40038 | U40038 | 600998 | GEN-70 | polypeptide Guanine nucleotide binding protein (G protein), q | 1093 | 1051T>C | S |
| U40347 | U40347 | 600950 | GEN- 2RK | polypeptide Human serotonin N- acetyltransferase mRNA, complete cds | 382 | 148G>A | E50K |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 285 | 229A>C | K77Q |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 314 | 258A>T | K86N |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 336 | 280C>T | P94S |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 688 | 632C>T | T211I |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 970 | 914C>A | A305E |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 1511 | 1455G>A | S |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 2377 | 2321C>T | T774M |
| U40396 | U40396 | 602691 | GEN-6W | Steroid receptor coactivator (SRC-1) | 2730 | 2674C>T | P892S |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 661 | 654T>C | S |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 697 | 690A>G | S |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 940 | 933G>A | S |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 1276 | 1269T>C | S |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 1790 | 1783A>T | 3 |
| U40583 | U40583 | 118511 | GEN-4O | Nicotinic, Cholinergic receptor alpha 7 | 1792 | 1785T>A | 3 |

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| U43142 | U43142 | 601528 | GEN-2UM | Human vascular endothelial growth factor related protein VRP | 1499 | 1128C>T | S |
| U45448 | U45448 | 600845 | GEN-4FI | mRNA, complete cds | | | |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor | 1424 | 1228A>G | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | mRNA, complete cds | | | |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor | 1604 | 1408C>G | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | mRNA, complete cds | | | |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor | 1719 | 1523G>A | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | mRNA, complete cds | | | |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor | 1827 | 1631G>A | 3 |
| U45448 | U45448 | 600845 | GEN-4FI | mRNA, complete cds | | | |
| U45448 | U45448 | 600845 | GEN-4FI | Human P2x1 receptor | 2286 | 2090G>A | 3 |
| U48730 | U48730 | 601511 | GEN-JA | mRNA, complete cds | | | |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 494 | 484T>C | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 496 | 486A>G | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 499 | 489A>G | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 502 | 492G>A | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 570 | 560G>C | G187A |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 573 | 563C>A | P188Q |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1003 | 993G>A | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1063 | 1053T>C | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1066 | 1056G>A | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1105 | 1095C>T | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1159 | 1149C>T | S |
| U48730 | U48730 | 601511 | GEN-JA | Transcription Factor Stat5b | 1969 | 1959C>T | S |
| U49516 | U49516 | 312861 | GEN-1Q | Transcription Factor Stat5b | 2915 | 2187A>C | 3 |
| U49516 | U49516 | 312861 | GEN-1Q | Serotonin 5-HT receptors | 2947 | 2219A>G | 3 |
| U50929 | U50929 | 602888 | GEN-JF | 5-HT2C | | | |
| U50929 | U50929 | 602888 | GEN-JF | Serotonin 5-HT receptors | 2017 | 1991A>G | 3 |
| U50929 | U50929 | 602888 | GEN-JF | Methionine synthetase (aka homocysteine methyltransferase) | 2418 | 2392A>T | 3 |
| U51478 | U51478 | 601867 | GEN-31Z | Methionine synthetase (aka homocysteine methyltransferase) | 1099 | 1071G>C | 3 |
| | | | | Human sodium/potassium-transporting ATPase beta-3 subunit mRNA, complete | | | |

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| U51478 | U51478 | 601867 | GEN-31Z | Human sodium/potassium-transporting ATPase beta-3 subunit mRNA, complete cds | 1121 | 1093T>C | 3 |
| U51478 | U51478 | 601867 | GEN-31Z | Human sodium/potassium-transporting ATPase beta-3 subunit mRNA, complete cds | 1133 | 1105G>T | 3 |
| U56390 | U56390 | 602234 | GEN-36X | Human cysteine protease ICE-LAP6 mRNA, complete cds | 411 | 408C>T | S |
| U56976 | U56976 | 171891 | GEN-379 | Human calmodulin dependent phosphodiesterase PDE1B1 mRNA, complete cds | 1510 | 1476C>T | S |
| DES | U59167 | 125660 | GEN-39F | Human desmin mRNA, 140 complete cds | 140 | 60C>G | S |
| DES | U59167 | 125660 | GEN-39F | Human desmin mRNA, 905 complete cds | 905 | 825T>C | S |
| DES | U59167 | 125660 | GEN-39F | Human desmin mRNA, 1091 complete cds | 1091 | 1011C>G | S |
| DES | U59167 | 125660 | GEN-39F | Human desmin mRNA, 1181 complete cds | 1181 | 1101G>A | S |
| DES | U59167 | 125660 | GEN-39F | Human desmin mRNA, 2176 complete cds | 2176 | 2096C>A | 3 |
| U60519 | U60519 | 601762 | GEN-3AZ | Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds | 304 | 157G>A | E53K |
| U60519 | U60519 | 601762 | GEN-3AZ | Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds | 324 | 177A>G | S |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2296 | 1742C>G | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2387 | 1833C>T | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2504 | 1950G>T | 3 |
| CHRNA2 | U62431 | 118502 | GEN-4EN | Nicotinic, Cholinergic receptor alpha 2 | 2538 | 1984G>A | 3 |

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| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 870 | 639C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 870 | 639C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 909 | 678C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 909 | 678C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1440 | 1209T>G | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1440 | 1209T>G | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1458 | 1227C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1584 | 1353G>A | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1781 | 1550C>T | S517L |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1860 | 1629C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1860 | 1629C>T | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1890 | 1659G>A | S |
| U62433 | U62433 | 118504 | GEN-4P | Nicotinic, Cholinergic receptor alpha 4 | 1890 | 1659G>A | S |
| U62768 | U62768 | 151300 | GEN-3CR | Human oxytocinase splice variant 1 mRNA, complete cds | 3356 | 3295G>C | 3 |
| U62768 | U62768 | 151300 | GEN-3CR | Human oxytocinase splice variant 1 mRNA, complete cds | 3547 | 3486C>T | 3 |
| U70136 | U70136 | 600044 | GEN-4R | Thrombopoietin | 4138 | 4105G>T | A1369S |
| U70136 | U70136 | 600044 | GEN-4R | Thrombopoietin | 4141 | 4108T>A | F1370I |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter hPGT | 2706 | 2615T>G | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter hPGT | 2839 | 2748T>A | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter hPGT | 2908 | 2817A>G | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter hPGT | 3171 | 3080A>G | 3 |

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| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter | 3171 | hPGT | 3080A>G | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter | 3253 | hPGT | 3162A>G | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter | 3255 | hPGT | 3164A>G | 3 |
| U70867 | U70867 | 601460 | GEN-4S | prostaglandin transporter | 3594 | hPGT | 3503T>A | 3 |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1248 | hPGT | 1095C>T | S |
| U71321 | U71321 | 602623 | GEN-2TW | Human FK506-binding protein FKBP51 mRNA, complete cds | 1425 | | 1272G>A | S |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 1158 | | 764G>A | C255Y |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 5095 | | 4701G>A | 3 |
| U73338 | U73338 | 156570 | GEN-69 | Methionine Synthase | 6750 | | 6356G>A | 3 |
| U78294 | U78294 | 603697 | GEN-3QZ | Homo sapiens 15S-2449 lipoxigenase mRNA, complete cds | 2449 | | 2378A>G | 3 |
| U79269 | U79269 | 123829 | GEN-K7 | Cyclin-Dependent Protein Kinase | 1281 | | 972A>T | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 1989 | | 1811G>A | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 1996 | | 1818C>T | 3 |
| U81375 | U81375 | 602193 | GEN-3VO | Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds | 2045 | | 1867T>C | 3 |
| U82812 | U82812 | 602592 | GEN-3X7 | Human scavenger receptor cysteine rich Sp alpha mRNA, complete cds | 1280 | | 1220T>A | 3 |
| U96781 | U96781 | 108730 | GEN-MQL | ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 | 3007 | | 3007G>A | 3 |

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| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 198 for alpha globin | 161C>T | A54V |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 244 for alpha globin | 207C>A | N69K |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 307 for alpha globin | 270C>A | H90Q |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 314 for alpha globin | 277C>T | R93W |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 326 for alpha globin | 289G>T | V97F |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 393 for alpha globin | 356C>A | T119N |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 399 for alpha globin | 362C>G | A121G |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 418 for alpha globin | 381C>A | D127E |
| HBA1 | V00493 | 141800 | GEN-TK | Human messenger RNA 481 for alpha globin | 444A>G | 3 |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 59 for beta-globin | 9C>T | S |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 257 for beta-globin | 207C>A | S |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 284 for beta-globin | 234C>A | H78Q |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 304 for beta-globin | 254C>A | T85N |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 370 for beta-globin | 320T>C | L107P |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 385 for beta-globin | 335T>G | V112G |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 529 for beta-globin | 479T>G | 3 |
| V00497 | V00497 | 141900 | GEN-P1 | Human messenger RNA 537 for beta-globin | 487T>G | 3 |
| V00519 | V00519 | 139250 | GEN-4U | Growth hormone 1 299 | 259C>A | P87T |
| V00519 | V00519 | 139250 | GEN-4U | Growth hormone 1 524 | 484G>T | G162W |
| X00568 | X00568 | 207750 | GEN-6Z | Apolipoprotein C-II 70 | 70C>A | Q24K |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 687 CD71) | 424A>G | S142G |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 2823 CD71) | 2560delT | F |

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| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 3766 CD71) | 3503T>G | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4122 CD71) | 3859A>C | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4147 CD71) | 3884G>A | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4247 CD71) | 3984T>C | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4309 CD71) | 4046T>A | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4381 CD71) | 4118A>G | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4547 CD71) | 4284G>A | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4619 CD71) | 4356T>G | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4726 CD71) | 4463A>T | 3 |
| X01060 | X01060 | 190010 | GEN-6C | Transferrin receptor (p90, 4766 CD71) | 4503C>T | 3 |
| X01586 | X01586 | 147680 | GEN-PC | Interleukin 2 332 | 225T>G | H75Q |
| X01586 | X01586 | 147680 | GEN-PC | Interleukin 2 563 | 456G>A | S |
| X02317 | X02317 | 147450 | GEN-KM | Superoxide dismutase 1 614 (Cu/Zn) | 550A>C | 3 |
| X02415 | X02415 | 134850 | GEN-MJO | Human gene for fibrinogen gamma chain | 949G>A | D317N |
| X02469 | X02469 | 191170 | GEN-PF | Human mRNA for p53 350 | 215C>G | P72R |
| X02469 | X02469 | 191170 | GEN-PF | cellular tumor antigen | 818G>A | R273H |
| X02750 | X02750 | 176860 | GEN-4Z | Human mRNA for p53 953 cellular tumor antigen | 1503G>C | 3 |
| | | | | Anticoagulant Protein C 1600 (inactivator of coagulation factors Va and VIIIa) | | |
| NRAS | X02751 | 164790 | GEN-XG | Human N-ras mRNA and 221 flanking regions | (-506)A>G | 5 |
| NRAS | X02751 | 164790 | GEN-XG | Human N-ras mRNA and 390 flanking regions | (-337)C>A | 5 |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for 870 transforming growth factor-beta (TGF-beta) | 29C>T | P10L |
| X02812 | X02812 | 190180 | GEN-XR | Human mRNA for 979 | 138C>G | I46M |

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| X02812 | X02812 | 190180 | GEN-XR | transforming growth factor-beta (TGF-beta) | Human mRNA for transforming growth factor-beta (TGF-beta) | 1632 | 791C>T | T264I |
| X02812 | X02812 | 190180 | GEN-XR | transforming growth factor-beta (TGF-beta) | Human mRNA for transforming growth factor-beta (TGF-beta) | 1807 | 966C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | transforming growth factor-beta (TGF-beta) | Human mRNA for transforming growth factor-beta (TGF-beta) | 1930 | 1089G>A | S |
| X02812 | X02812 | 190180 | GEN-XR | transforming growth factor-beta (TGF-beta) | Human mRNA for transforming growth factor-beta (TGF-beta) | 1942 | 1101C>T | S |
| X02812 | X02812 | 190180 | GEN-XR | transforming growth factor-beta (TGF-beta) | Human mRNA for transforming growth factor-beta (TGF-beta) | 2013 | 1172G>A | S391N |
| X03172 | X03172 | 192340 | GEN-ZM | transforming growth factor-beta (TGF-beta) | Human mRNA for vasopressin precursor | 379 | 356T>G | V119G |
| X03438 | X03438 | 138970 | GEN-PM | transforming growth factor-beta (TGF-beta) | Human mRNA for granulocyte colony-stimulating factor (G-CSF) | 586 | 555G>A | S |
| X03438 | X03438 | 138970 | GEN-PM | transforming growth factor-beta (TGF-beta) | Human mRNA for granulocyte colony-stimulating factor (G-CSF) | 1235 | 1204C>T | 3 |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 390 | 30T>C | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 390 | 30T>C | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 424 | 64G>C | E22Q |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 617 | 257C>T | A86V |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 621 | 261G>C | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 829 | 469C>T | F |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 1335 | 975C>G | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 1335 | 975C>G | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 1451 | 1091T>A | V364E |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 1674 | 1314G>A | M438I |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 2142 | 1782A>G | S |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 2354 | 1994A>G | 3 |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 2550 | 2190A>C | 3 |
| X03635 | X03635 | 133430 | GEN-50 | transforming growth factor-beta (TGF-beta) | estrogen receptors | 2733 | 2373C>G | 3 |

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| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3181 | 2821T>C | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3338 | 2978C>T | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3652 | 3292-3294CCT>CC | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3652 | 3292-T | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 3896 | 3294delCCT | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 4378 | 3536C>A | 3 |
| X03635 | X03635 | 133430 | GEN-50 | estrogen receptors | 6287 | 4018T>C | 3 |
| X03663 | X03663 | 164770 | GEN-51 | Colony stimulating factor 1 receptor | 3732 | 5927T>C | 3 |
| X03663 | X03663 | 164770 | GEN-51 | Colony stimulating factor 1 receptor | 3951 | 3432T>C | 3 |
| X03747 | X03747 | 182330 | GEN-KR | ATPase, Na+/K+ transporting, beta 1 polypeptide | 447 | 3651C>A | 3 |
| X03747 | X03747 | 182330 | GEN-KR | ATPase, Na+/K+ transporting, beta 1 polypeptide | 1516 | 321G>A | S |
| X03747 | X03747 | 182330 | GEN-KR | ATPase, Na+/K+ transporting, beta 1 polypeptide | 2182 | 1390G>T | 3 |
| CYBB | X04011 | 306400 | GEN-13S | Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X | 2517 | 2056C>T | 3 |
| CYBB | X04011 | 306400 | GEN-13S | Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X | 2544 | 2310A>G | 3 |
| CYBB | X04011 | 306400 | GEN-13S | Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X | 2831 | 2337A>T | 3 |
| CAT | X04076 | 115500 | GEN-13P | Human kidney mRNA for catalase | 51 | 2624T>C | 3 |
| CAT | X04076 | 115500 | GEN-13P | Human kidney mRNA for catalase | 218 | (-20)T>C | 5 |
| CAT | X04076 | 115500 | GEN-13P | Human kidney mRNA for catalase | 1237 | 148C>T | L50F |
| | | | | | | 1167T>C | S |

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| CAT | X04076 | 115500 | GEN-13P | Human kidney mRNA for catalase | 1325 | 1255C>T | S |
| CAT | X04076 | 115500 | GEN-13P | Human kidney mRNA for catalase | 2131 | 2061A>C | 3 |
| HMBS | X04217 | 176000 | GEN-145 | Human mRNA for porphobilinogen deaminase (PBG-D, EC 4.3.1.8) | 121 | 40G>T | A14S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 363 | 351C>T | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 525 | 513C>T | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 967 | 955C>A | R319S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1023 | 1011C>A | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1083 | 1071C>T | S |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1213 | 1201T>G | 3 |
| X04409 | X04409 | 139320 | GEN-7Q | Guanine nucleotide binding protein (G protein), alpha stimulating activity | 1450 | 1438A>C | 3 |
| X04526 | X04526 | 139380 | GEN-7R | Guanine nucleotide binding protein (G protein), beta polypeptide 1 | 426 | 146G>C | R49T |
| THBS1 | X04665 | 188060 | GEN-151 | Human mRNA for | 145 | 70T>G | S24A |

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|--------|--------|--------|---------|--|----------|---|
| THBS1 | X04665 | 188060 | GEN-151 | thrombospondin Human mRNA for 903 | 828G>A | S |
| THBS1 | X04665 | 188060 | GEN-151 | thrombospondin Human mRNA for 1485 | 1410C>T | S |
| THBS1 | X04665 | 188060 | GEN-151 | thrombospondin Human mRNA for 3667 | 3592C>T | 3 |
| THBS1 | X04665 | 188060 | GEN-151 | thrombospondin Human mRNA for 3866 | 3791G>A | 3 |
| X05199 | X05199 | 173350 | GEN-PU | thrombospondin Human mRNA for 384 | 330C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 825 | 771C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 996 | 942C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 1137 | 1083A>G | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 1485 | 1431C>T | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 2340 | 2286T>G | S |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 2532 | 2478G>A | 3 |
| X05199 | X05199 | 173350 | GEN-PU | plasminogen Human mRNA for 2606 | 2552T>G | 3 |
| X06318 | X06318 | 176970 | GEN-KY | plasminogen Protein kinase C, beta 1 83 | (-54)G>C | 5 |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 940 | 804G>A | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 1327 | 1191T>C | S |
| X06318 | X06318 | 176970 | GEN-KY | Protein kinase C, beta 1 1906 | 1770C>T | S |
| PDGFA | X06374 | 173430 | GEN-19E | Human mRNA for platelet-derived growth factor | 1820C>T | 3 |
| PDGFA | X06374 | 173430 | GEN-19E | PDGF-A Human mRNA for platelet-derived growth factor | 1864C>T | 3 |
| RAF1 | X06409 | 164760 | GEN-19K | PDGF-A Human mRNA fragment for activated c-raf-1 (exons 8-17) | 487T>C | 3 |
| RAF1 | X06409 | 164760 | GEN-19K | Human mRNA fragment for activated c-raf-1 (exons 8-17) | 1948C>T | 3 |

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| RAF1 | X06409 | 164760 | GEN-19K | Human mRNA fragment for 192 activated c-raf-1 (exons 8-17) | 1993C>A | 3 |
| X06562 | X06562 | 600946 | GEN-6D | Growth hormone receptor 3392 | 3349A>T | 3 |
| X06562 | X06562 | 600946 | GEN-6D | Growth hormone receptor 4145 | 4102G>A | 3 |
| X07523 | X07523 | 134371 | GEN-1E5 | Human mRNA for 1170 truncated form of complement factor H | 1097G>A | G368E |
| X07523 | X07523 | 134371 | GEN-1E5 | Human mRNA for 1277 truncated form of complement factor H | 1204T>C | Y402H |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for 44 manganese superoxide dismutase (EC 1.15.1.1) | 40C>G | P14A |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for 51 manganese superoxide dismutase (EC 1.15.1.1) | 47T>C | V16A |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for 198 manganese superoxide dismutase (EC 1.15.1.1) | 194C>A | T65N |
| SOD2 | X07834 | 147460 | GEN-1ES | Human mRNA for 249 manganese superoxide dismutase (EC 1.15.1.1) | 245T>C | I82T |
| TNNC1 | X07897 | 191040 | GEN-1EW | Human mRNA for slow 234 skeletal troponin C (TnC) | 208G>C | G70R |
| TNNC1 | X07897 | 191040 | GEN-1EW | Human mRNA for slow 249 skeletal troponin C (TnC) | 223G>T | D75Y |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for 1189 fibronectin receptor beta subunit | 1086A>C | S |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for 1279 fibronectin receptor beta subunit | 1176A>C | S |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for 2713 fibronectin receptor beta subunit | 2610T>C | 3 |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for 2878 fibronectin receptor beta subunit | 2775T>A | 3 |
| ITGB1 | X07979 | 135630 | GEN-4E5 | Human mRNA for 3339 fibronectin receptor beta subunit | 3236A>G | 3 |

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| ITGB1 | X07979 | 135630 | 4E5 | fibronectin receptor beta subunit | 3428G>A | 3 |
| | GEN-4E5 | | | Human mRNA for fibronectin receptor beta subunit | | |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | (-1)C>T | 5 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1285T>G | 3 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1303C>T | 3 |
| ANX5 | X12454 | 131230 | GEN-1M2 | Human mRNA for vascular anticoagulant | 1390G>A | 3 |
| X13561 | X13561 | 147910 | GEN-1OH | Human mRNA for 54 preprokalikrein (EC 3.4.21) | 18G>T | S |
| X13561 | X13561 | 147910 | GEN-1OH | Human mRNA for 441 preprokalikrein (EC 3.4.21) | 405T>C | S |
| X13561 | X13561 | 147910 | GEN-1OH | Human mRNA for 469 preprokalikrein (EC 3.4.21) | 433G>C | E145Q |
| X13561 | X13561 | 147910 | GEN-1OH | Human mRNA for 592 preprokalikrein (EC 3.4.21) | 556A>G | K186E |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, 364 subfamily XIX (aromatization of androgens) | 240A>G | S |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, 914 subfamily XIX (aromatization of androgens) | 790C>T | R264C |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, 914 subfamily XIX (aromatization of androgens) | 790C>T | R264C |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, 1655 subfamily XIX (aromatization of androgens) | 1531C>T | 3 |
| X13589 | X13589 | 107910 | GEN-56 | Cytochrome P450, 1796 subfamily XIX (aromatization of androgens) | 1672G>T | 3 |

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| X13629 | X13629 | 107690 | GEN- 100 | Human intestinal mRNA for 881 apolipoprotein A-IV | 836G>A | R279K |
| X13629 | X13629 | 107690 | GEN- 100 | Human intestinal mRNA for 1185 apolipoprotein A-IV | 1140G>T | Q380H |
| X13629 | X13629 | 107690 | GEN- 100 | Human intestinal mRNA for 1302 apolipoprotein A-IV | 1257^1258Ins CTGT | F |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 1636 receptor related protein | 1170T>C | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 1675 receptor related protein | 1209C>T | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 2805 receptor related protein | 2339C>T | T780I |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 3853 receptor related protein | 3387T>C | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 6443 receptor related protein | 5977C>T | R1993W |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 7036 receptor related protein | 6570C>T | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 8608 receptor related protein | 8142G>A | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 8923 receptor related protein | 8457C>T | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 9034 receptor related protein | 8568G>T | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 9040 receptor related protein | 8574C>T | S |
| X13916 | X13916 | 107770 | GEN- 1Q1 | Human mRNA for LDL- 9391 receptor related protein | 8925T>C | S |
| CLU | X14723 | 185430 | GEN- 1SB | Human SP-40,40 mRNA 131 for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 84C>T | S |
| CLU | X14723 | 185430 | GEN- 1SB | Human SP-40,40 mRNA 429 for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 382G>T | V128F |
| CLU | X14723 | 185430 | GEN- 1SB | Human SP-40,40 mRNA 836 for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 789C>T | S |
| CLU | X14723 | 185430 | GEN- 1SB | Human SP-40,40 mRNA 1234 for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1187C>T | S396L |

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| CLU | X14723 | 185430 | GEN-1SB | 1SB for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1372 | 1325A>T | Y442F |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1482 | 1435C>T | 3 |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1548 | 1501C>T | 3 |
| CLU | X14723 | 185430 | GEN-1SB | Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain | 1645 | 1598A>T | 3 |
| CHRN1 | X14830 | 100710 | GEN-4EK | Nicotinic, Cholinergic receptor beta 1 | 1375 | 1359C>T | S |
| CHRN1 | X14830 | 100710 | GEN-4EK | Nicotinic, Cholinergic receptor beta 1 | 1591 | 1575T>C | 3 |
| X15263 | X15263 | None | GEN-4EQ | Muscarinic receptor, CHRM1 | 1144 | 1044G>A | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 1066 | 1023G>C | M341I |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 1657 | 1614C>T | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 2859 | 2816G>A | R939Q |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 2983 | 2940G>A | S |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 3259 | 3216delC | F |
| X15357 | X15357 | 108960 | GEN-KUV | Human mRNA for natriuretic peptide receptor (ANP-A receptor) | 3589 | 3546^3547Ins | F |

| | | KUV | natriuretic peptide receptor (ANP-A receptor) | | GAAA | |
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| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 399 | 183C>T | S | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 1692 | 1476C>T | S | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 2067 | 1851C>G | S | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 2725 | 2509T>C | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 2855 | 2639C>A | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 2988 | 2772G>A | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 3234 | 3018C>T | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 3625 | 3409A>G | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 3883 | 3667C>T | 3 | |
| PACE | X17094 | GEN-1ZV | Human fur mRNA for furin 4053 | 3837A>G | 3 | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 588 | 423G>A | S | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 1104 | 939C>T | S | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 1122 | 957T>C | S | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 1248 | 1083A>G | S | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 1488 | 1323T>C | S | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 1548 | 1383A>G | 3 | |
| X51362 | X51362 | GEN-31W | Dopamine Receptor D2 2361 | 2196C>T | 3 | |
| X51416 | X51416 | GEN-57 | STEROID HORMONE 2285 RECEPTOR ERR1 | 2222G>A | 3 | |
| FLT1 | X51602 | GEN-329 | Human flt mRNA for 192 receptor-related tyrosine kinase | (-58)C>T | 5 | |

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| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 1723 | 1474C>T | S |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 1953 | 1704G>A | S |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 3061 | 2812A>G | M938V |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 3150 | 2901G>A | S |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 4497 | 4248T>G | 3 |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 5295 | 5046^5047ins GAG | 3 |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 6976 | 6727G>A | 3 |
| FLT1 | X51602 | 165070 | GEN-329 | Human flt mRNA for receptor-related tyrosine kinase | 7013 | 6764T>G | 3 |
| FGFR1 | X51803 | 136350 | GEN- 32G | Human mRNA for fibroblast growth factor (FGF) receptor | 276 | 159T>G | S |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1262 | 1152G>A | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1649 | 1539C>G | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1700 | 1590C>T | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1742 | 1632C>T | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1797 | 1687C>T | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 1914 | 1804G>C | 3 |
| EDN3 | X52001 | 131242 | GEN- 33E | Endothelin 3 | 2040 | 1930C>T | 3 |

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| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3044 | 2869G>A | 3 |
| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3289 | 3114A>G | 3 |
| X52425 | X52425 | 147781 | GEN-59 | Interleukin 4 receptor | 3391 | 3216C>T | 3 |
| X52479 | X52479 | 176960 | GEN-LM | Protein kinase C, alpha | 908 | 881A>C | D294A |
| FGFR2 | X52832 | 176943 | GEN-341 | Human bek mRNA for fibroblast growth factor receptor-BEK | 338 | 159A>G | S |
| FGFR2 | X52832 | 176943 | GEN-341 | Human bek mRNA for fibroblast growth factor receptor-BEK | 2903 | 2724A>T | 3 |
| CHRNA3 | X53559 | 118503 | GEN-341 | Nicotinic, Cholinergic receptor alpha 3 | 212 | 212A>G | D71G |
| CHRNA3 | X53559 | 118503 | GEN-341 | Nicotinic, Cholinergic receptor alpha 3 | 552 | 552C>T | S |
| TNNI3 | X54163 | 191044 | GEN-34U | Human mRNA for cardiac troponin I | 626 | 537G>A | S |
| FGFR4 | X57205 | 134935 | GEN-37M | Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4) | 83 | 28G>A | V10I |
| FGFR4 | X57205 | 134935 | GEN-37M | Human FGFR-4 mRNA for fibroblast growth factor receptor (FGFR-4) | 217 | 162T>G | S |
| YWHA8 | X57346 | 601289 | GEN-37R | H.sapiens mRNA for HS1 protein | 432 | 60C>A | S |
| YWHA8 | X57346 | 601289 | GEN-37R | H.sapiens mRNA for HS1 protein | 1135 | 763T>C | 3 |
| X57830 | X57830 | 182135 | GEN-7V | Serotonin 5-HT2 receptor | 247 | 102T>C | S |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 821 | 773C>T | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 979 | 931G>A | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 1187 | 1139T>G | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 1354 | 1306C>T | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 1443 | 1395C>T | 3 |

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| GPX3 | X58295 | 138321 | GEN-38S | plasma glutathione peroxidase | 1468C>A | 3 |
| GPX3 | X58295 | 138321 | GEN-38S | Human GPX-3 mRNA for plasma glutathione peroxidase | 1533C>T | 3 |
| X58377 | X58377 | 147681 | GEN-38V | Human GPX-3 mRNA for plasma glutathione peroxidase | 744A>G | 3 |
| X58377 | X58377 | 147681 | GEN-38V | Interleukin 11 | 864T>G | 3 |
| X58377 | X58377 | 147681 | GEN-38V | Interleukin 11 | 1901T>C | 3 |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | (-48)A>G | 5 |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | 90G>A | S |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | 198G>A | S |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | 1263G>A | S |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | 1764A>C | 3 |
| DRD1 | X58987 | 128449 | GEN-4EH | D1 dopaminergic receptor | 1769C>A | 3 |
| X59842 | X59842 | 600214 | GEN-3A3 | Human PBX2 mRNA | 2043T>G | 3 |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for pancreatic gamma-glutamyltransferase | (-257)G>A | 5 |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for pancreatic gamma-glutamyltransferase | (-23)C>T | 5 |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for pancreatic gamma-glutamyltransferase | 815C>T | A272V |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for pancreatic gamma-glutamyltransferase | 815C>T | A272V |
| X60069 | X60069 | 231950 | GEN- | Human mRNA for | 1041C>T | S |

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| X60069 | 3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1409 | 1051G>T | A351S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1482 | 1124C>T | T375M |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1591 | 1233G>A | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1624 | 1266C>T | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1637 | 1279C>A | P427T |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1651 | 1293C>T | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1662 | 1304T>C | V435A |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1783 | 1425A>G | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1794 | 1436C>T | T479M |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1795 | 1437G>A | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 1981 | 1623C>T | S |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 2007 | 1649C>T | T550M |
| X60069 | GEN-3AJ | pancreatic gamma-glutamyltransferase Human mRNA for 2031 | 1673C>T | S558L |

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| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for 2047 pancreatic gamma-glutamyltransferase | 1689C>T | S |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for 2147 pancreatic gamma-glutamyltransferase | 1789C>T | 3 |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for 2176 pancreatic gamma-glutamyltransferase | 1818C>T | 3 |
| X60069 | X60069 | 231950 | GEN-3AJ | Human mRNA for 2224 pancreatic gamma-glutamyltransferase | 1866C>A | 3 |
| X60957 | X60957 | 600222 | GEN-3BF | Human tie mRNA for 2194 putative receptor tyrosine kinase | 2158G>A | A720T |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 203 kinase 1-phosphorylates beta adrenergic receptor) | 96A>C | S |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 1372 kinase 1-phosphorylates beta adrenergic receptor) | 1265A>G | H422R |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 1501 kinase 1-phosphorylates beta adrenergic receptor) | 1394G>A | R465K |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 1766 kinase 1-phosphorylates beta adrenergic receptor) | 1659C>T | S |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 1823 kinase 1-phosphorylates beta adrenergic receptor) | 1716T>C | S |
| X61157 | X61157 | 109635 | GEN-23 | Adrenergic receptor (Beta 2976 kinase 1-phosphorylates beta adrenergic receptor) | 2869G>A | 3 |
| NFKB2 | X61498 | 164012 | GEN-3BW | H.sapiens mRNA for NF- 2457 KB subunit | 2294C>T | P765L |
| KDR | X61656 | 191306 | GEN-3BZ | H.sapiens mRNA for 2308 growth factor receptor tyrosine kinase | 2308A>G | T770A |
| KDR | X61656 | 191306 | GEN-3BZ | H.sapiens mRNA for 2353 growth factor receptor tyrosine kinase | 2353G>C | G785R |

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| KDR | X61856 | 191306 | GEN-3BZ | H.sapiens mRNA for 2499 growth factor receptor | 2499C>G | N833K |
| KDR | X61856 | 191306 | GEN-3BZ | tyrosine kinase H.sapiens mRNA for 2537 growth factor receptor | 2537A>T | E846V |
| KDR | X61856 | 191306 | GEN-3BZ | tyrosine kinase H.sapiens mRNA for 4123 growth factor receptor | 4123G>C | 3 |
| X63359 | X63359 | 600070 | GEN-3DC | tyrosine kinase H.sapiens UGT2B10 1516 mRNA for udp | 1506C>T | S |
| X63359 | X63359 | 600070 | GEN-3DC | glucuronosyltransferase H.sapiens UGT2B10 2714 mRNA for udp | 2704G>A | 3 |
| ACLY | X64330 | 108728 | GEN-3F0 | glucuronosyltransferase H.sapiens mRNA for ATP- 3998 citrate lyase | 3914G>T | 3 |
| ACLY | X64330 | 108728 | GEN-3F0 | H.sapiens mRNA for ATP- 4229 citrate lyase | 4145A>C | 3 |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA 51 CONVERTASE PRECURSOR | 44G>A | R15H |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA 116 CONVERTASE PRECURSOR | 109A>C | K37Q |
| X65019 | X65019 | 147678 | GEN-6G | INTERLEUKIN 1 BETA 261 CONVERTASE PRECURSOR | 254G>A | G85E |
| X66364 | X66364 | 123831 | GEN-3GM | H.sapiens mRNA 495 PSSALRE for serine/threonine protein kinase | 471T>G | C157W |
| X66403 | X66403 | 100725 | GEN-5D | Nicotinic, Cholinergic 2236 receptor epsilon | 2225G>T | 3 |
| X66403 | X66403 | 100725 | GEN-5D | polypeptide Nicotinic, Cholinergic 2333 receptor epsilon | 2322A>G | 3 |
| X66403 | X66403 | 100725 | GEN-5D | polypeptide Nicotinic, Cholinergic 2364 receptor epsilon | 2353G>T | 3 |

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| X69117 | X69117 | 109636 | GEN-5G | BETA-ADRENERGIC RECEPTOR KINASE 2 | 1182 | 1182T>C | S |
| X69117 | X69117 | 109636 | GEN-5G | BETA-ADRENERGIC RECEPTOR KINASE 2 | 1609 | 1609G>A | E537K |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 112 | 21T>C | S |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 292 | 201C>T | S |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1436 | 1345T>C | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1579 | 1488T>C | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1621 | 1530C>T | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1719 | 1628A>C | 3 |
| X69141 | X69141 | 184420 | GEN-3J9 | H.sapiens mRNA for squalene synthase | 1904 | 1813G>C | 3 |
| X70811 | X70811 | 109691 | GEN-3KK | beta-3-adrenergic receptor | 315 | 190T>C | W64R |
| X70811 | X70811 | 109691 | GEN-3KK | beta-3-adrenergic receptor | 315 | 190T>C | W64R |
| X71440 | X71440 | None | GEN-3KS | H.sapiens mRNA for peroxisomal acyl-CoA oxidase | 949 | 936G>C | M312I |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPX-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 718 | 638T>C | 3 |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPX-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 837 | 757C>A | 3 |
| GPX4 | X71973 | 138322 | GEN-3L1 | H.sapiens GPX-4 mRNA for phospholipid hydroperoxide glutathione peroxidase | 882 | 802A>C | 3 |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1380 | 1155C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 1503 | 1278C>T | S |

| | | | | | | | |
|--------|--------|--------|---------|--|------|---------|-------|
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2048 | 1823C>T | S608L |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2287 | 2062G>A | G688S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2339 | 2114A>G | D705G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2583 | 2358T>C | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 2982 | 2757A>G | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3022 | 2797C>G | R933G |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3051 | 2826C>T | S |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3693 | 3468T>C | 3 |
| NOS2A | X73029 | 163730 | GEN-3LW | H.sapiens mRNA for nitric oxide synthase | 3715 | 3490G>A | 3 |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 390 | 390T>C | S |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1051 | 1051T>G | L351V |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1125 | 1125C>T | S |
| PREP | X74496 | 600400 | GEN-3N8 | Prolyl Endopeptidase | 1363 | 1363G>A | V455M |
| X75299 | X75299 | 192321 | GEN-3NU | H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor | 1915 | 1904T>C | 3 |
| X75299 | X75299 | 192321 | GEN-3NU | H.sapiens HIVR mRNA for vasoactive intestinal peptide (VIP) receptor | 2475 | 2464T>C | 3 |
| MTP | X75500 | 157147 | GEN-3O7 | H.sapiens mRNA for peptide (VIP) receptor | 1847 | 1823T>G | F608C |
| MTP | X75500 | 157147 | GEN-3O7 | microsomal triglyceride transfer protein | 3231 | 3207G>A | 3 |
| X75913 | X75913 | 601269 | GEN-3OG | H.sapiens mRNA for gC1q-R | 1052 | 974A>G | 3 |
| X75913 | X75913 | 601269 | GEN-3OG | H.sapiens mRNA for gC1q-R | 1074 | 996T>C | 3 |

| | 30G | R | 1802G>A | G601D |
|--------|---------------|--|---------|-------|
| X76180 | X76180 600228 | GEN-N5 | | |
| | | Solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na ⁺ /H ⁺ , amiloride sensitive) | | |
| LIPA | X76488 278000 | GEN-3P2 | 46A>C | T16P |
| LIPA | X76488 278000 | GEN-3P2 | 67G>A | G23R |
| LIPA | X76488 278000 | GEN-3P2 | 822G>A | M274I |
| LIPA | X76488 278000 | GEN-3P2 | 1386C>T | 3 |
| LIPA | X76488 278000 | GEN-3P2 | 2109A>T | 3 |
| LIPA | X76488 278000 | GEN-3P2 | 2294C>T | 3 |
| X77094 | X77094 601488 | GEN-3PK | 735C>T | S |
| YWH4H | X78138 113508 | GEN-3QU | 753A>G | 3 |
| YWH4H | X78138 113508 | GEN-3QU | 760G>A | 3 |
| YWH4H | X78138 113508 | GEN-3QU | 1187C>T | 3 |
| X78282 | X78282 601292 | GEN-LVF | 895T>C | 3 |
| X78706 | X78706 600184 | GEN-2A | 1922G>A | 3 |
| X78706 | X78706 600184 | GEN-2A | 2378G>A | 3 |
| X78706 | X78706 600184 | GEN-2A | 2382G>A | 3 |
| X79483 | X79483 602399 | GEN-LPR | 1254T>G | 3 |
| TNNT2 | X79857 191045 | GEN-3TJ | 80G>T | W27L |
| TNNT2 | X79857 191045 | GEN-3TJ | 114G>C | S |
| TNNT2 | X79857 191045 | GEN-3TJ | 193G>T | F |

| | | | | | | |
|--------|--------|--------|---------|--|-----------|-------|
| TNNT2 | X79857 | 191045 | GEN-3TJ | H.sapiens HTNT4 mRNA 920 for cardiac troponin T | 809C>A | 3 |
| X80230 | X80230 | 603251 | GEN-3UM | H.sapiens mRNA (clone C-25 2k) mRNA for serine/threonine protein kinase | (-74)C>T | 5 |
| X80230 | X80230 | 603251 | GEN-3UM | H.sapiens mRNA (clone C-77 2k) mRNA for serine/threonine protein kinase | (-22)C>T | 5 |
| X80230 | X80230 | 603251 | GEN-3UM | H.sapiens mRNA (clone C-1516 2k) mRNA for serine/threonine protein kinase | 1418G>A | 3 |
| X80230 | X80230 | 603251 | GEN-3UM | H.sapiens mRNA (clone C-1574 2k) mRNA for serine/threonine protein kinase | 1476A>G | 3 |
| X81411 | X81411 | None | GEN-4EY | Serotonin 5-HT receptors 75 5-HT5a | 76A>T | 3 |
| X83582 | X83582 | 600734 | GEN-3YD | Potassium channel Kir3.4 171 | 171C>T | S |
| X83582 | X83582 | 600734 | GEN-3YD | Potassium channel Kir3.4 834 | 834C>T | S |
| X83861 | X83861 | 176806 | GEN-5H | Prostaglandin E receptor 3 387 (subtype EP3) (alternative products) | 180C>G | S |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 32 BCI-2 homologue | (-161)C>T | 5 |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 317 BCI-2 homologue | 125G>A | R42H |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 435 BCI-2 homologue | 243C>T | S |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 616 BCI-2 homologue | 424G>A | V142I |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 663 BCI-2 homologue | 471C>T | S |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 900 BCI-2 homologue | 708T>C | 3 |
| X84213 | X84213 | 600516 | GEN-3ZC | H.sapiens BAK mRNA for 974 BCI-2 homologue | 782C>T | 3 |

| | | | | | | | |
|--------|--------|--------|---------|--|-------|-----------|--------|
| X86097 | X86097 | 600967 | GEN-400 | H.sapiens mRNA for E2F-5 protein | 162 | 132G>C | S |
| X86097 | X86097 | 600967 | GEN-400 | H.sapiens mRNA for E2F-5 protein | 1281 | 1251T>C | 3 |
| X86097 | X86097 | 600967 | GEN-400 | H.sapiens mRNA for E2F-5 protein | 1725 | 1695A>C | 3 |
| X86681 | X86681 | 602110 | GEN-41E | H.sapiens mRNA for 1725 nucleolar protein, HNP36 | 1725 | 1340G>A | 3 |
| X93086 | X93086 | 109750 | GEN-48G | H.sapiens mRNA for 669 biliverdin IX alpha reductase | 669 | 609G>A | S |
| X93086 | X93086 | 109750 | GEN-48G | H.sapiens mRNA for 720 biliverdin IX alpha reductase | 720 | 660A>G | S |
| X95190 | X95190 | 601641 | GEN-49Y | H.sapiens mRNA for 1394 Branched chain Acyl-CoA Oxidase | 1394 | 1302C>T | S |
| X95190 | X95190 | 601641 | GEN-49Y | H.sapiens mRNA for 1934 Branched chain Acyl-CoA Oxidase | 1934 | 1842C>A | S |
| X97058 | X97058 | 602451 | GEN-4BB | P2 purinoceptor (P2Y6) | 121 | (-156)T>G | 5 |
| RYR2 | X98330 | 180902 | GEN-4CB | H.sapiens mRNA for 13745 ryanodine receptor 2 | 13745 | 13624G>A | A4542T |
| RYR2 | X98330 | 180902 | GEN-4CB | H.sapiens mRNA for 15541 ryanodine receptor 2 | 15541 | 15420T>G | 3 |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 4613 | 4466G>A | S1489N |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 6371 | 6224C>T | T2075M |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 6813 | 6666C>T | S |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 7150 | 7003G>A | V2335M |
| Y00285 | Y00285 | 147280 | GEN-6I | IGF-2 receptor | 8685 | 8538C>A | 3 |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for 504 glutathione peroxidase (EC 1.11.1.9.) | 504 | 186G>A | S |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for 610 glutathione peroxidase (EC 1.11.1.9.) | 610 | 292C>G | R98G |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for 911 glutathione peroxidase (EC 1.11.1.9.) | 911 | 593C>T | P198L |

| | | | | | | |
|--------|--------|--------|---------|--|---------|--------|
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for 1048 glutathione peroxidase (EC 1.11.1.9.) | 730A>C | 3 |
| GPX1 | Y00433 | 138320 | GEN-TJ | Human mRNA for 1110 glutathione peroxidase (EC 1.11.1.9.) | 792A>C | 3 |
| ALAS1 | Y00451 | 125290 | GEN-TE | Human mRNA for 5- 509 aminolevulinatase synthase | 426T>G | S |
| ALAS1 | Y00451 | 125290 | GEN-TE | Human mRNA for 5- 608 aminolevulinatase synthase | 525C>T | S |
| PAI2 | Y00630 | 173390 | GEN-U6 | Human mRNA for Arg- 430 Serpine (plasminogen activator-inhibitor 2, PAI-2) | 358A>G | N120D |
| PAI2 | Y00630 | 173390 | GEN-U6 | Human mRNA for Arg- 1251 Serpine (plasminogen activator-inhibitor 2, PAI-2) | 1179T>G | S |
| PAI2 | Y00630 | 173390 | GEN-U6 | Human mRNA for Arg- 1762 Serpine (plasminogen activator-inhibitor 2, PAI-2) | 1690G>A | 3 |
| Y00692 | Y00692 | 176880 | GEN-6K | Serpine (plasminogen activator-inhibitor 2, PAI-2) | 586C>T | 3 |
| Y00692 | Y00692 | 176880 | GEN-6K | Anticoagulant protein S 785 | 711T>C | 3 |
| Y00692 | Y00692 | 176880 | GEN-6K | Anticoagulant protein S 910 | 957G>T | 3 |
| Y00749 | Y00749 | 131240 | GEN-P7 | Anticoagulant protein S 1156 | 594G>T | K198N |
| CR1 | Y00816 | 120620 | GEN-UG | Endothelin 1 846 Human mRNA for 207 complement receptor type 1 (CR1, C3b/C4b receptor, CD35) | 180G>C | E60D |
| Y07683 | Y07683 | 600843 | GEN-4F1 | H.sapiens mRNA for P2X3 717 purinoceptor | 552C>T | S |
| Y07683 | Y07683 | 600843 | GEN-4F1 | H.sapiens mRNA for P2X3 753 purinoceptor | 588A>G | S |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for 3641 mosaic protein LR11 | 3561T>G | S |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for 3818 mosaic protein LR11 | 3738C>T | S |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for 5158 mosaic protein LR11 | 5078G>A | S1893N |
| Y08110 | Y08110 | 602005 | GEN-1FK | H.sapiens mRNA for 6571 mosaic protein LR11 | 6491G>A | R2164K |
| Y08756 | Y08756 | 602164 | GEN-4EC | H.sapiens mRNA for 765 mosaic protein LR11 Serotonin 5-HT receptors 5-HT4 | 747T>C | S |

| | | | | | | | |
|--------|--------|--------|---------|---|------|---------|-------|
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 835 | 809A>G | H270R |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 946 | 920G>A | R307Q |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1088 | 1042G>A | A348T |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1096 | 1070C>G | T357S |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1405 | 1379A>G | Q460R |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1589 | 1563C>G | H521Q |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1590 | 1564G>A | V522I |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1628 | 1602G>T | S |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1759 | 1733G>A | R578Q |
| Y09561 | Y09561 | None | GEN-4F4 | H.sapiens mRNA for P2X7 receptor | 1772 | 1746G>A | S |
| Y10659 | Y10659 | 300119 | GEN-1J6 | H.sapiens IL-13Ra mRNA | 1116 | 1073G>A | G358D |
| IREB1 | Z11559 | 147581 | GEN-1KO | H.sapiens mRNA for iron regulatory factor | 2855 | 2748T>C | 3 |
| IREB1 | Z11559 | 147581 | GEN-1KO | H.sapiens mRNA for iron regulatory factor | 3162 | 3055C>A | 3 |
| IREB1 | Z11559 | 147581 | GEN-1KO | H.sapiens mRNA for iron regulatory factor | 3460 | 3353A>T | 3 |
| Z11695 | Z11695 | 176948 | GEN-1L1 | H.sapiens 40 kDa protein kinase related to rat ERK2 | 1287 | 1153G>A | 3 |
| Z11696 | Z11696 | 601795 | GEN-1L0 | H.sapiens 44kDa protein kinase related to rat ERK1 | 449 | 449T>G | I150S |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 246 | 240T>C | S |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 1694 | 1688A>C | D563A |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 2033 | 2027G>A | 3 |
| Z15108 | Z15108 | 176982 | GEN-1TE | H.sapiens mRNA for protein kinase C zeta | 2086 | 2080T>G | 3 |
| Z19585 | Z19585 | 600715 | GEN-22A | H.sapiens mRNA for thrombospondin-4 | 2135 | 2108G>A | C703Y |

| | | | | | | | |
|--------|--------|--------|---------|--|------|---------|-------|
| Z22555 | Z22555 | 601040 | GEN-264 | H.sapiens encoding CLA-1 mRNA | 1119 | 1050C>T | S |
| Z22555 | Z22555 | 601040 | GEN-264 | H.sapiens encoding CLA-1 mRNA | 2553 | 2484A>G | 3 |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 585 | 259G>T | F |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 606 | 280G>T | F |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 668 | 342C>A | S |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 780 | 454C>A | Q152K |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 1333 | 1007T>C | 3 |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 1356 | 1030A>G | 3 |
| TPM1 | Z24727 | 191010 | GEN-280 | H.sapiens tropomyosin isoform mRNA, complete CDS | 1553 | 1227T>G | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 437 | 438C>T | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 466 | 467G>A | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 2664 | 2665C>T | 3 |
| Z26649 | Z26649 | 600230 | GEN-2B5 | Phospholipase C beta-3 | 3168 | 3169G>T | 3 |
| CPO | Z28409 | 121300 | GEN-2D8 | H.sapiens coprox gene for coproporphyrinogen oxidase | 1994 | 1994G>A | 3 |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1141 | 1104C>T | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1627 | 1590T>C | S |
| ECE1 | Z35307 | 600423 | GEN-2MA | Endothelin Converting Enzyme 1 | 1696 | 1659G>A | S |

| | | | | | | | |
|--------|--------|--------|--------------------|--|------|---------|-------|
| ECE1 | Z35307 | 600423 | 2MA GEN- 2MA | Enzyme 1 Endothelin Converting | 1946 | 1909G>A | V637M |
| ECE1 | Z35307 | 600423 | GEN- 2MA | Enzyme 1 Endothelin Converting | 2433 | 2396G>A | 3 |
| Z35491 | Z35491 | 601497 | GEN- 2ME | Enzyme 1 H.sapiens mRNA for novel glucocorticoid receptor- associated protein | 315 | 37G>A | E13K |
| Z35491 | Z35491 | 601497 | GEN- 2ME | H.sapiens mRNA for novel glucocorticoid receptor- associated protein | 333 | 55G>A | E19K |
| Z35491 | Z35491 | 601497 | GEN- 2ME | H.sapiens mRNA for novel glucocorticoid receptor- associated protein | 1297 | 1019A>C | 3 |
| Z48810 | Z48810 | 602664 | GEN- 2YJ | H.sapiens mRNA for TX protease precursor | 1280 | 1239A>C | 3 |
| Z69881 | Z69881 | 601929 | GEN- 3JV | H.sapiens mRNA for adenosine triphosphatase, calcium | 2023 | 2017G>A | A673T |
| Z69881 | Z69881 | 601929 | GEN- 3JV | H.sapiens mRNA for adenosine triphosphatase, calcium | 3636 | 3630C>G | 3 |

Table 18. Identified
Variances in Genes or
Related Pathways
involved in Cancer and
Related Disorders

| | | | |
|--|--------|--------|------------------------------------|
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | SER252TER |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | SER44PHE |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | 3-BP DEL LYS618DEL |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | 3.5-KB DEL |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | G-to-A intron 5 splice junction |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | 370-BP DEL frameshift |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | IVS14DS, 7-BP DEL AND 4-BP INS |
| human DNA mismatch repair protein hMLH1/MutL | U07418 | 120436 | HIS329PRO |
| human DNA mismatch | U07418 | 120436 | 1784delT truncated |

| | | | |
|--|--------|--------|--|
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | 676C-T ARG226TER |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | GGG to TGG GLY67TRP |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | A-->T codon 26 |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | GG-->AT 177 and 178 |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | -93 nt |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | Val384Asp |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | T insertion 3 splice site post exon 9 |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | deletion of codon 618K |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | A-to-G transition exon 6 |
| repair protein hMLH1/MutL human DNA mismatch | U07418 | 120436 | exon 5 missense |

| | | | |
|--|----------|--------|-----------------------|
| hMLH1/MutL human DNA mismatch repair protein | U07418 | 120436 | exon 9 missense |
| hMLH1/MutL topoisomerase IIb | U54831 | 126431 | reported |
| O6 alkylguanine-DNA alkyltransferase | M60761 | 156569 | GGA to AGA GLY160ARG |
| class I aldehyde dehydrogenase | M26761 | 100640 | none found |
| glutathione-S- transferase GSTA4 | AF020918 | ***** | none found |
| glutathione-S- transferase GSTM3 | J05459 | 138390 | 3bp deletion intron 6 |
| glutathione-S- transferase GSTT1 | X79389 | 600436 | null genotype |
| glutathione-S- transferase GSTT2 | L38503 | 600437 | none found |
| glutathione peroxidase GPx1 | Y00433 | 138320 | P197L |
| glutathione peroxidase GPx1 | Y00433 | 138320 | 1167T/C Silent |
| glutathione peroxidase GPx2 | X68314 | 138319 | A/T intron |
| glutathione peroxidase GPx2 | X68314 | 138319 | TC repeats intron |
| glutathione peroxidase GPx3 | X58295 | 138321 | none found |
| glutathione peroxidase GPx4 | X71973 | 138322 | none found |
| glutathione peroxidase GPx5 | AJ005277 | 603435 | none found |

| | | | |
|---|--------|--------|----------------------------|
| glutathione reductase | X15722 | 138300 | two polymorphisms reported |
| N-methylpurine-DNA glycosylase | M74905 | 156565 | none found |
| proliferating cell nuclear antigen | J04718 | 176740 | none found |
| multidrug resistance associated protein | L05628 | 158343 | none found |
| MRP1 | | | |
| multidrug resistance associated protein | U83659 | 601107 | none found |
| MRP2 | | | |
| dihydrofolate reductase | J00140 | 126060 | intronic polymorphism |
| dihydrofolate reductase | J00140 | 126060 | 2 RFLP's |
| thymidylate synthetase | X02308 | 188350 | 5' trinucleotide repeat |
| thymidylate synthetase | X02308 | 188350 | tyr33his |
| thymidylate synthetase | X02308 | 188350 | A->G 3'UTR |
| human cell adhesion protein SQM1 | M33374 | 603842 | none found |
| reduced folate carrier | U19720 | 600424 | none found |
| RFC1 | | | |
| thymidylate synthetase | X02308 | 188350 | Triple tandem 5'end |
| thymidylate synthetase | X02308 | 188350 | tyr33his |
| cytidine deaminase | L27943 | 123920 | none found |
| folypolyglutamate synthetase FPGS | M98045 | 136510 | none found |
| gamma-glutamyl hydrolase GGH | U55206 | 601509 | none found |
| dihydropyrimidine | U09178 | 274270 | 165-BP DEL |

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